

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
 Data File : BE100457.D
 Acq On : 17 Jul 2019 20:07
 Operator : HP/JU
 Sample : K3818-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 18 02:09:36 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 16 14:03:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	5572	0.40	ng	0.01
7) Naphthalene-d8	10.68	136	24509	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	15545	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	35001	0.40	ng	0.01
27) Chrysene-d12	21.40	240	42891	0.40	ng	0.01
34) Perylene-d12	23.92	264	42078	0.40	ng	0.03

System Monitoring Compounds						
4) 2-Fluorophenol	5.47	112	2772	0.26	ng	0.00
5) Phenol-d6	7.05	99	4095	0.26	ng	0.00
8) Nitrobenzene-d5	9.03	82	2862	0.21	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	8382	0.23	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	1220	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.14	172	8141	0.12	ng	0.00
25) Fluoranthene-d10	19.26	212	63936	0.15	ng	0.01
29) Terphenyl-d14	19.86	244	14223	0.14	ng	0.00

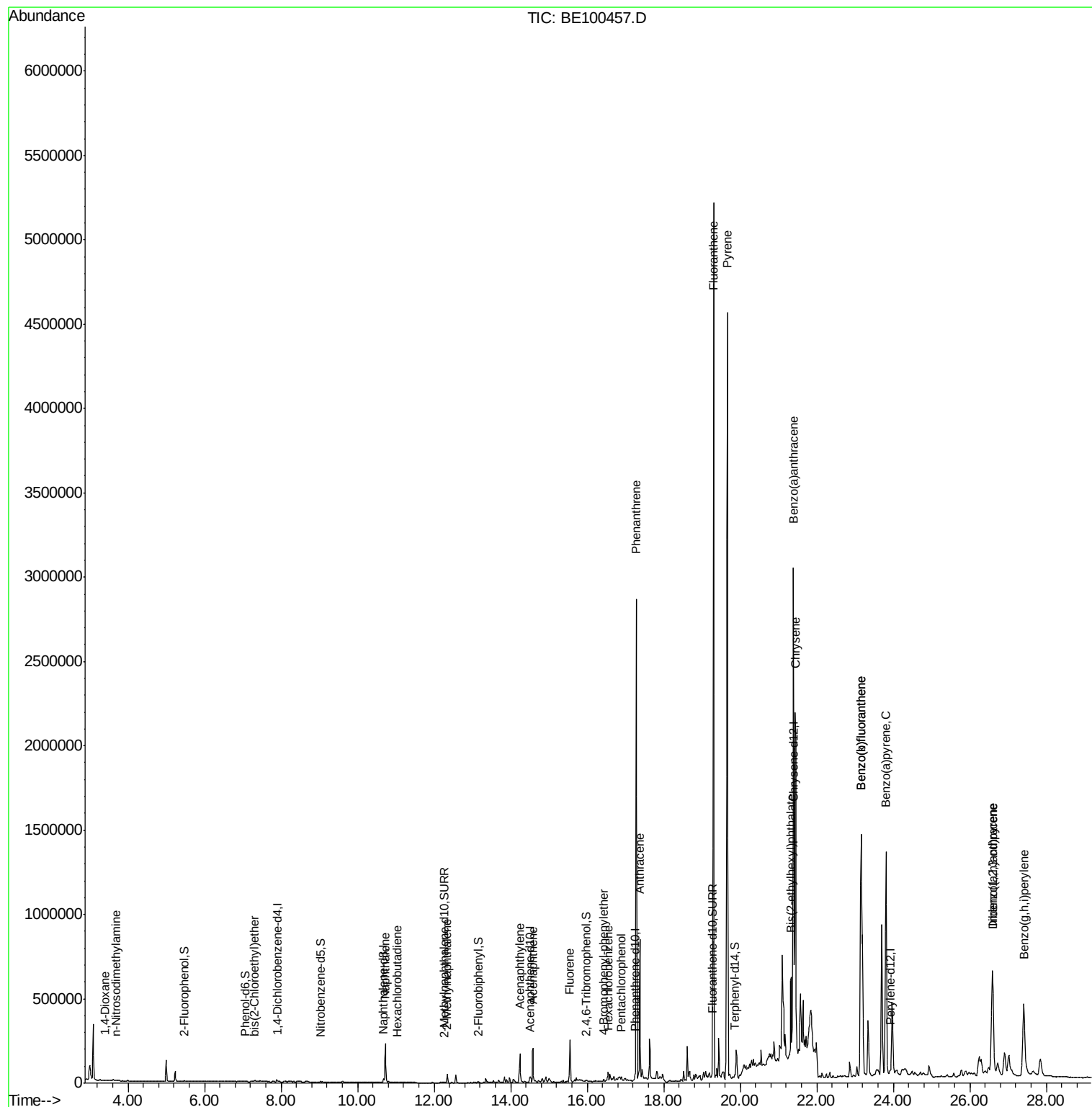
Target Compounds					Qvalue	
2) 1,4-Dioxane	3.38	88	1186	0.052	ng	# 48
3) n-Nitrosodimethylamine	3.70	42	1090	0.226	ng	# 55
6) bis(2-Chloroethyl)ether	7.31	93	3767	0.238	ng	77
9) Naphthalene	10.73	128	363400	1.522	ng	100
10) Hexachlorobutadiene	11.03	225	1818	0.157	ng	98
12) 2-Methylnaphthalene	12.34	142	39636	0.993	ng	97
16) Acenaphthylene	14.24	152	203186	3.232	ng	99
17) Acenaphthene	14.59	154	122662	2.839	ng	95
18) Fluorene	15.54	166	210412	3.777	ng	97
20) 4-Bromophenyl-phenylether	16.44	248	2866	0.157	ng	# 83
21) Hexachlorobenzene	16.56	284	2779	0.130	ng	# 90
22) Pentachlorophenol	16.89	266	3807	0.934	ng	95
23) Phenanthrene	17.28	178	3037639	32.572	ng	98
24) Anthracene	17.38	178	846747	11.001	ng	97
26) Fluoranthene	19.30	202	4921239	41.520	ng	97
28) Pyrene	19.66	202	4508421	35.932	ng	# 90
30) Benzo(a)anthracene	21.39	228	2746695	23.595	ng	93
31) Chrysene	21.44	228	2143428	15.505	ng	95
32) Bis(2-ethylhexyl)phthalate	21.33	149	646505	7.743	ng	# 98
33) Indeno(1,2,3-cd)pyrene	26.59	276	1260660	10.257	ng	95
35) Benzo(b)fluoranthene	23.16	252	2900929	22.564	ng	97
36) Benzo(k)fluoranthene	23.16	252	2900929	21.323	ng	97
37) Benzo(a)pyrene	23.81	252	2204462	20.853	ng	97
38) Dibenzo(a,h)anthracene	26.61	278	325118	2.885	ng	# 86
39) Benzo(g,h,i)perylene	27.41	276	1212230	10.284	ng	98

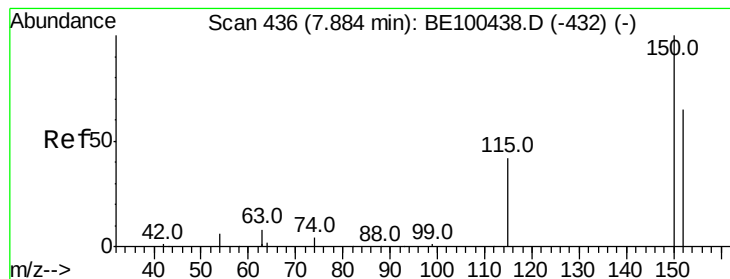
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.90 min Scan# 437

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

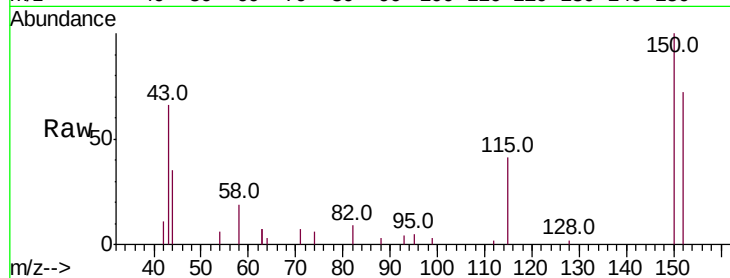
Tot Ion:152 Resp: 5572

Ion Ratio Lower Upper

152 100

150 138.0 121.7 182.5

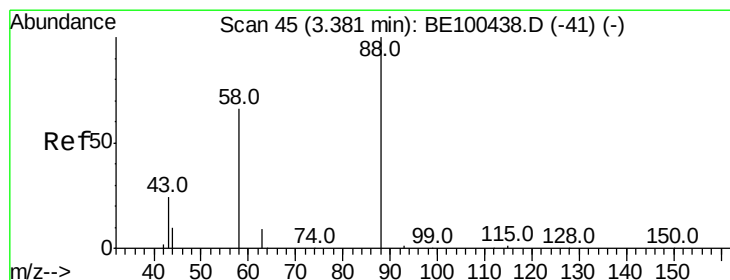
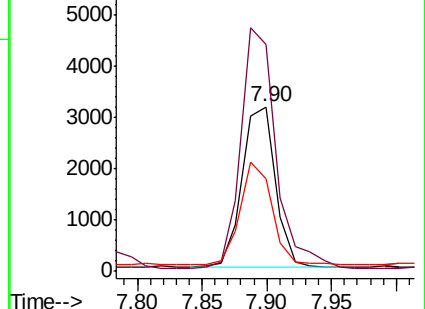
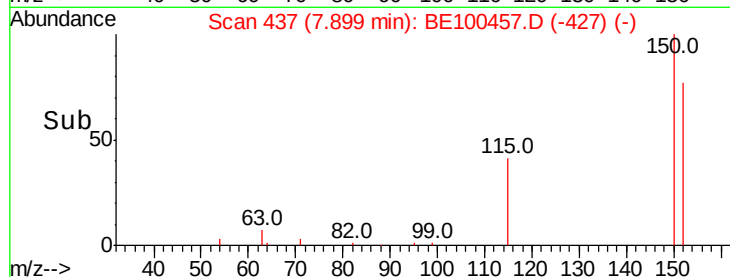
115 56.1 52.4 78.6



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



#2

1,4-Dioxane

Concen: 0.052 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

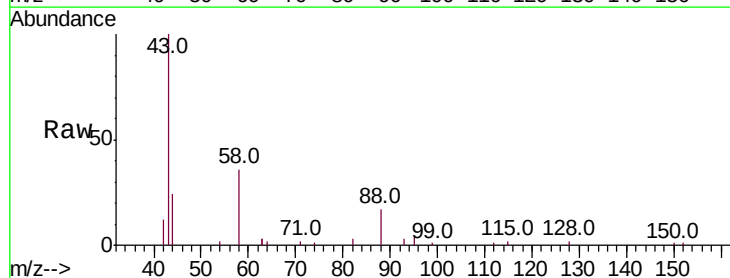
Tgt Ion: 88 Resp: 1186

Ion Ratio Lower Upper

88 100

58 113.5 57.8 86.8#

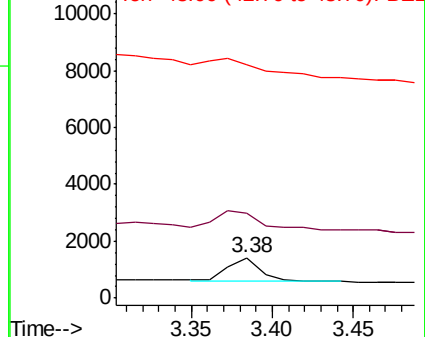
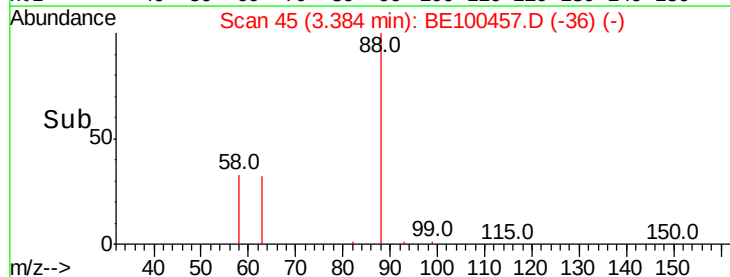
43 0.0 25.0 37.6#

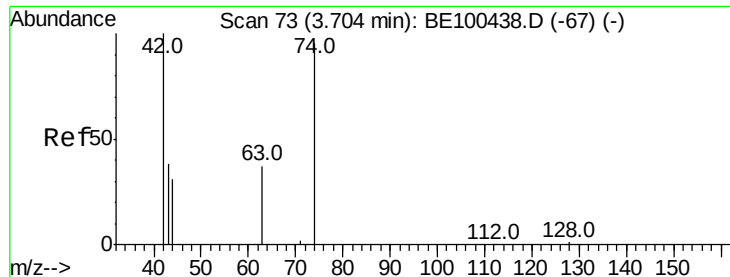


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.226 ng

RT: 3.70 min Scan# 72

Delta R.T. -0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

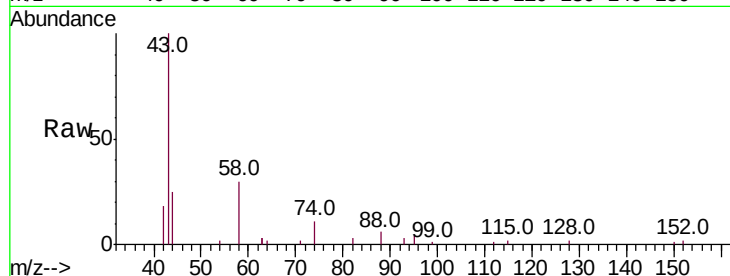
Tot Ion: 42 Resp: 1090

Ion Ratio Lower Upper

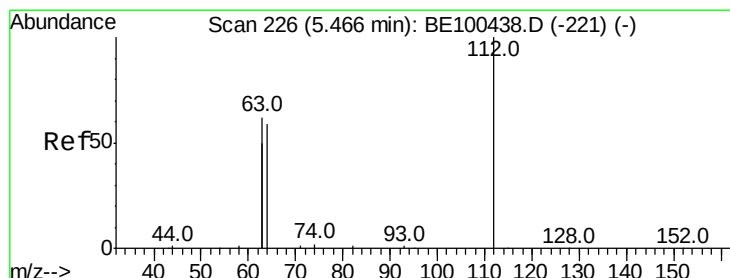
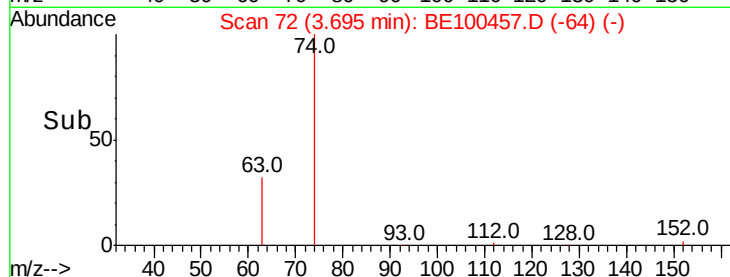
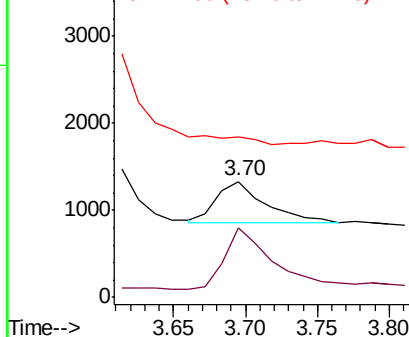
42 100

74 151.9 85.3 127.9#

44 0.0 21.8 32.8#



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: 0.261 ng

RT: 5.47 min Scan# 226

Delta R.T. 0.00 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

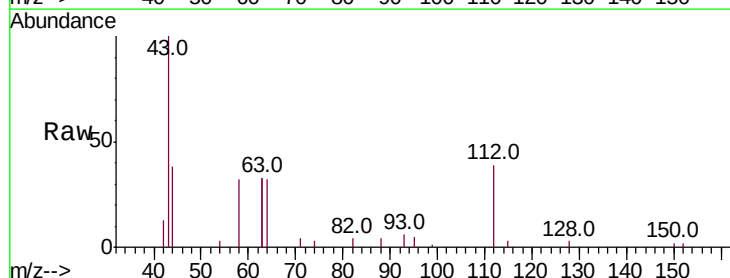
Tgt Ion: 112 Resp: 2772

Ion Ratio Lower Upper

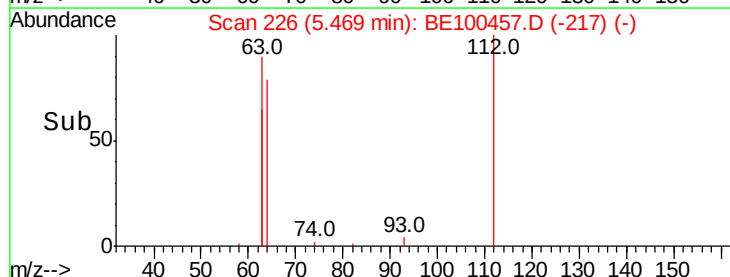
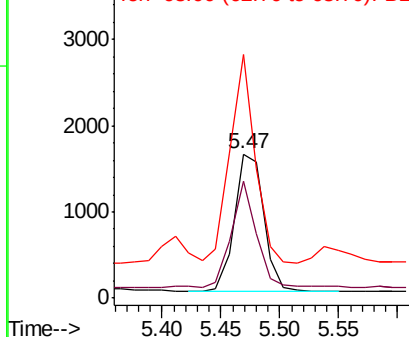
112 100

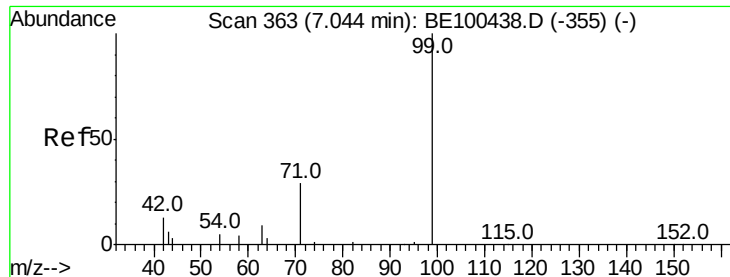
64 66.8 55.0 82.4

63 129.4 114.8 172.2



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: 0.261 ng

RT: 7.05 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

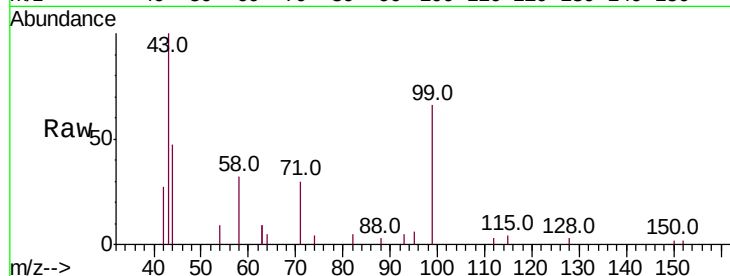
Tot Ion: 99 Resp: 4095

Ion Ratio Lower Upper

99 100

42 21.6 17.4 26.2

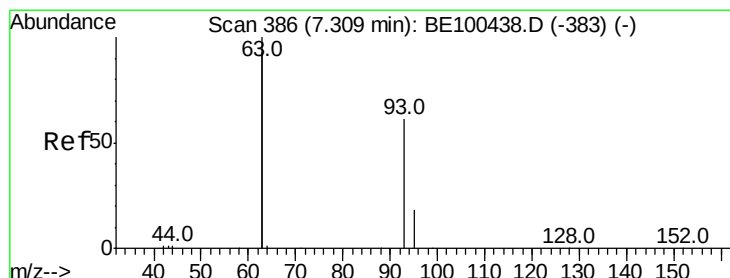
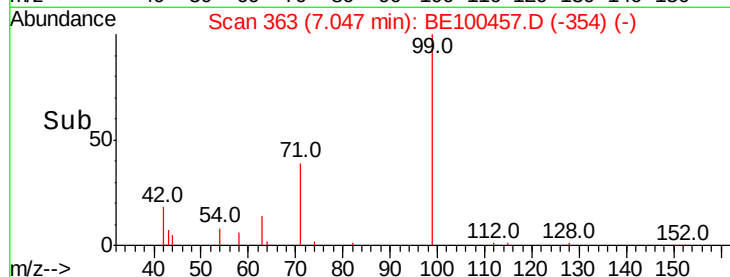
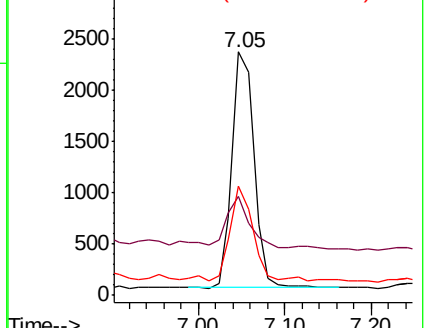
71 40.0 28.2 42.4



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: 0.238 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

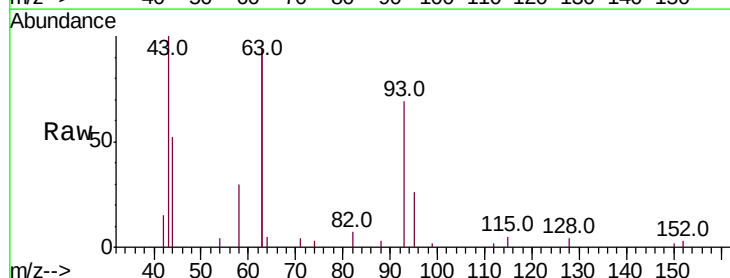
Tgt Ion: 93 Resp: 3767

Ion Ratio Lower Upper

93 100

63 281.9 266.9 400.3

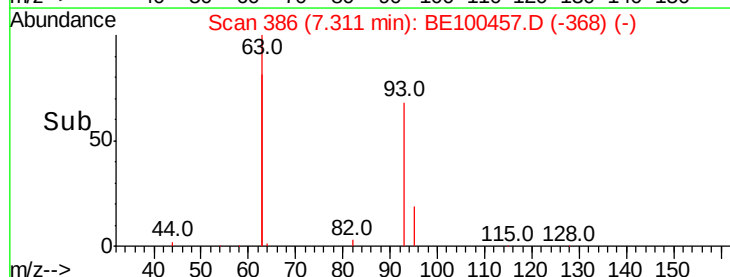
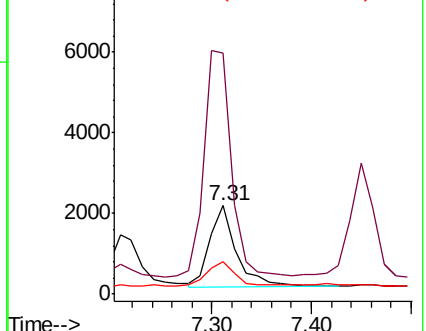
95 31.7 26.8 40.2

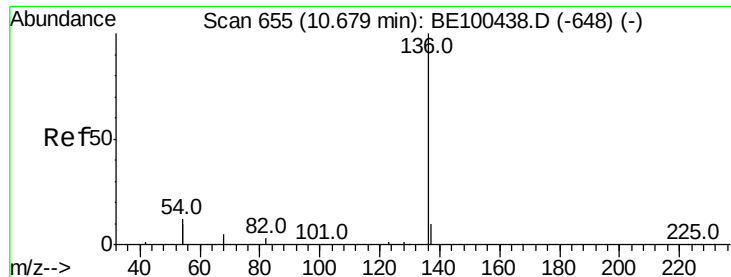


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.68 min Scan# 655

Delta R.T. -0.00 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 24509

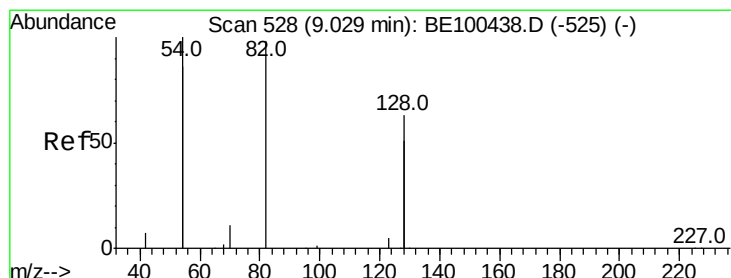
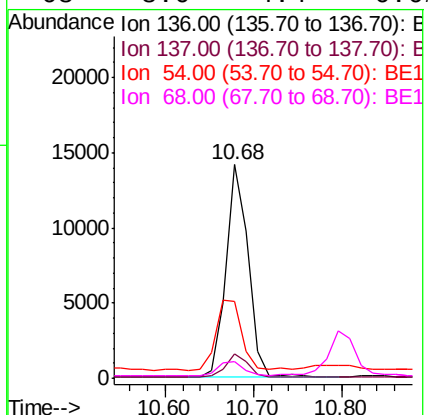
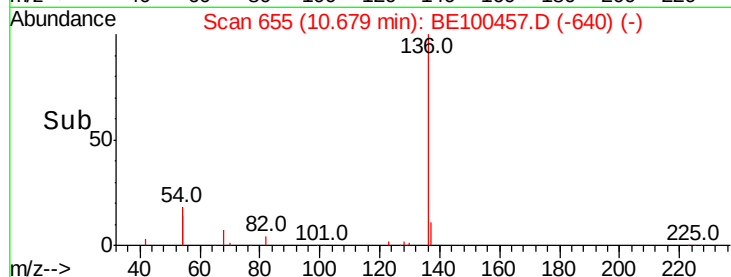
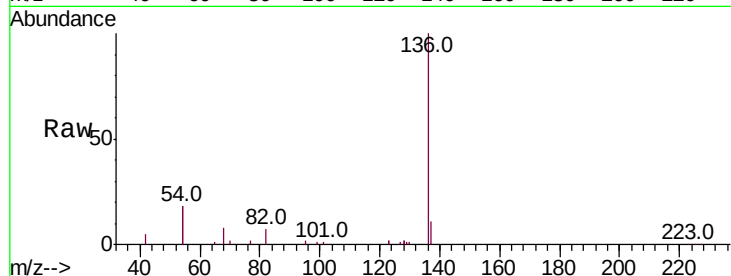
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 36.3 19.6 29.4#

68 8.0 4.4 6.6#



#8

Nitrobenzene-d5

Concen: 0.212 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

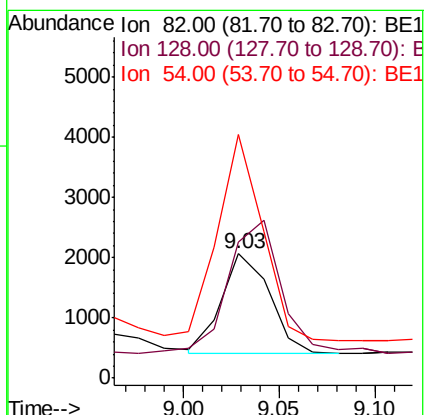
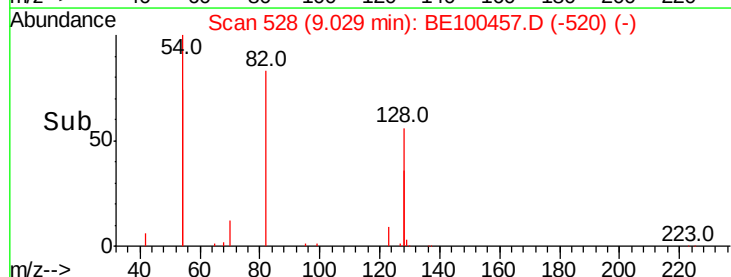
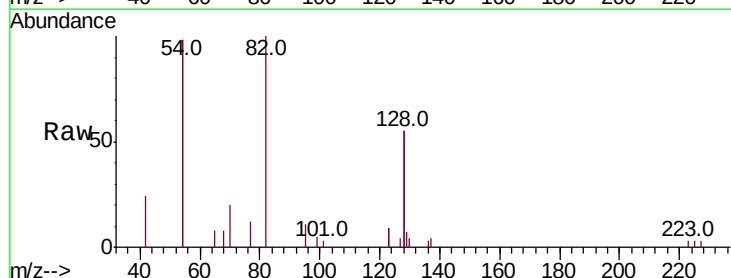
Tgt Ion: 82 Resp: 2862

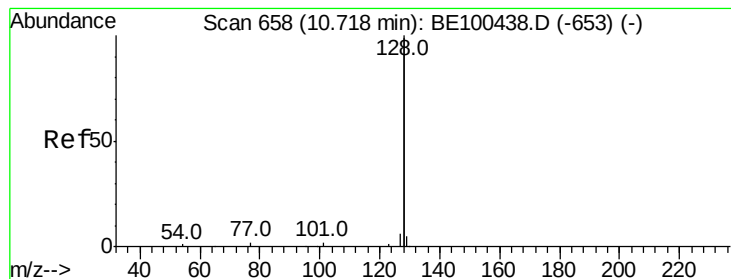
Ion Ratio Lower Upper

82 100

128 110.0 97.9 146.9

54 196.0 155.0 232.6





#9

Naphthalene

Concen: 1.522 ng

RT: 10.73 min Scan# 659

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

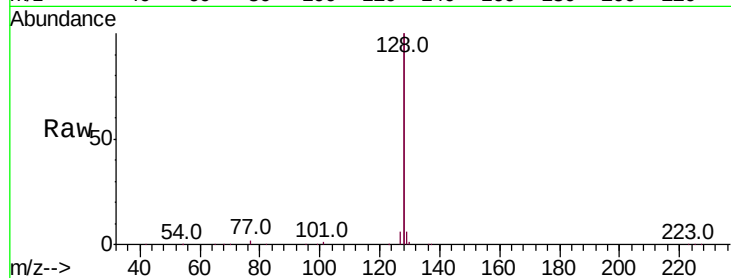
Tot Ion:128 Resp: 363400

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

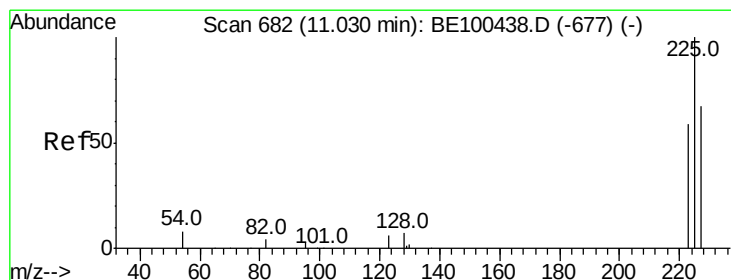
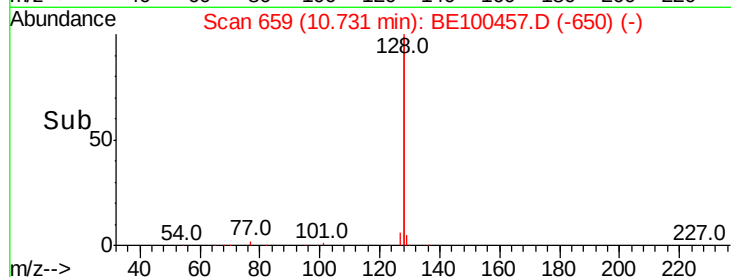
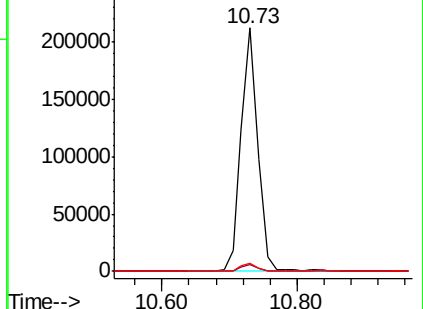
127 3.2 2.7 4.1



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



#10

Hexachlorobutadiene

Concen: 0.157 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.00 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

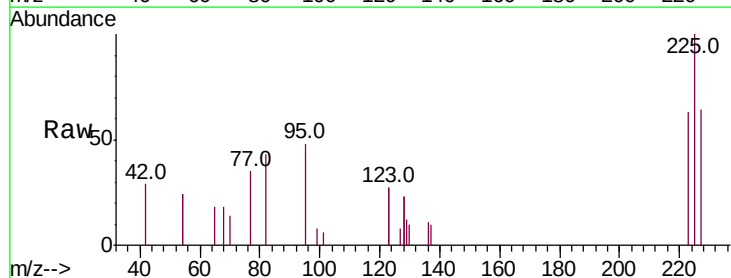
Tgt Ion:225 Resp: 1818

Ion Ratio Lower Upper

225 100

223 63.3 49.8 74.8

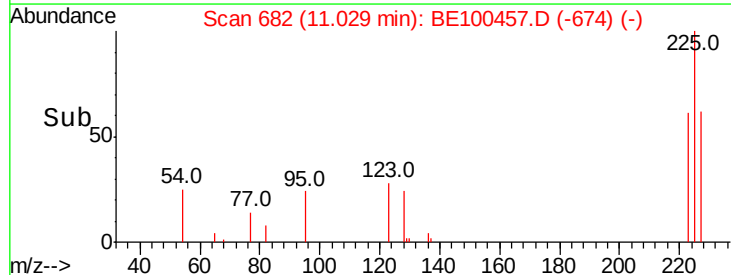
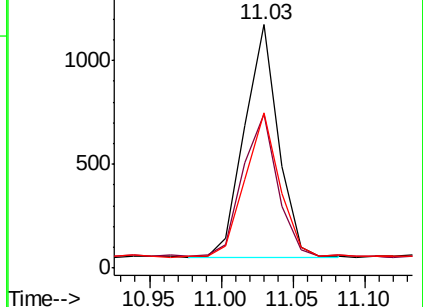
227 63.7 52.3 78.5

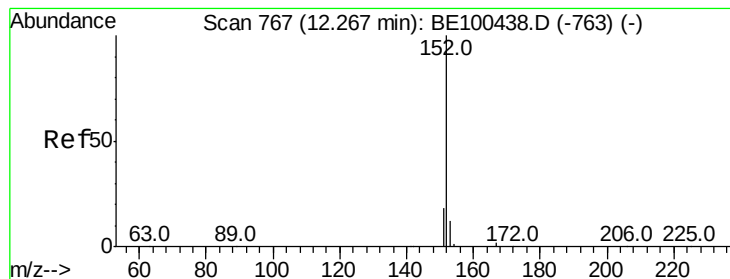


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

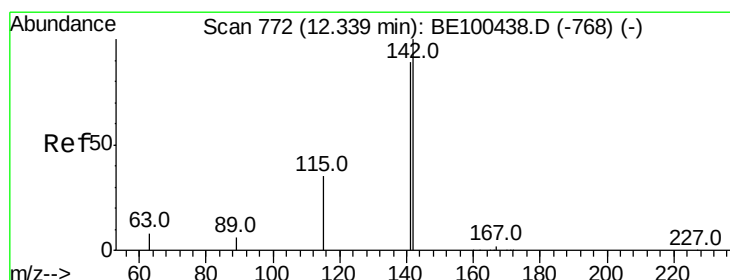
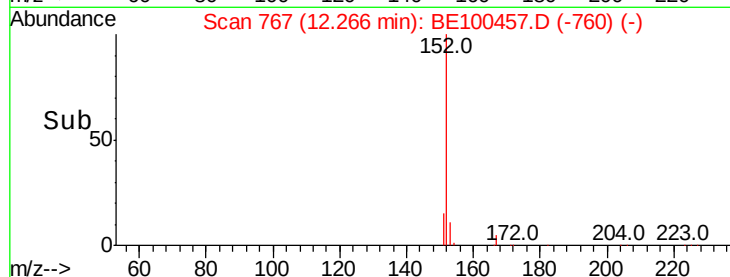
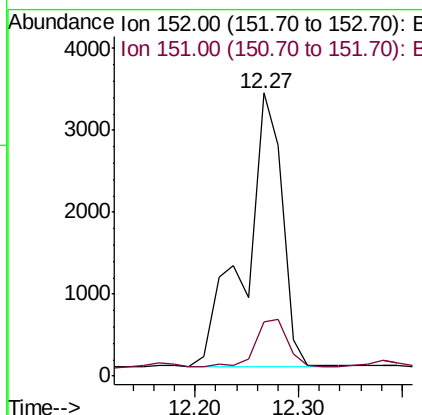
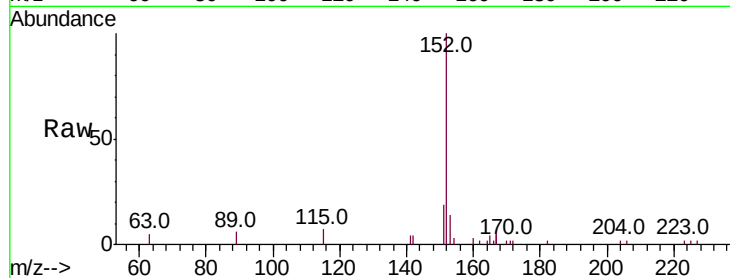




#11
 2-Methylnaphthalene-d10
 Concen: 0.226 ng
 RT: 12.27 min Scan# 767
 Delta R.T. -0.00 min
 Lab File: BE100457.D
 Acq: 17 Jul 2019 20:07

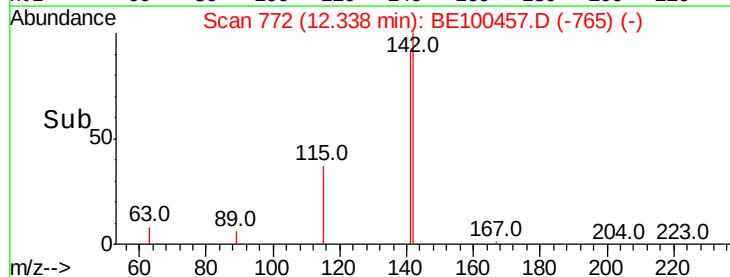
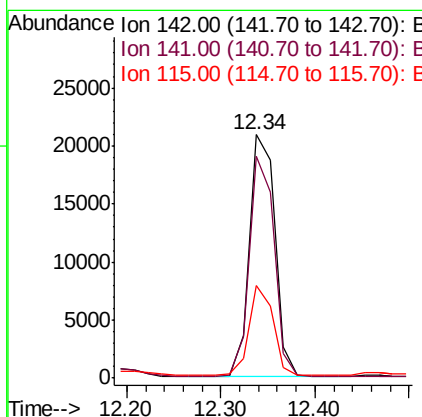
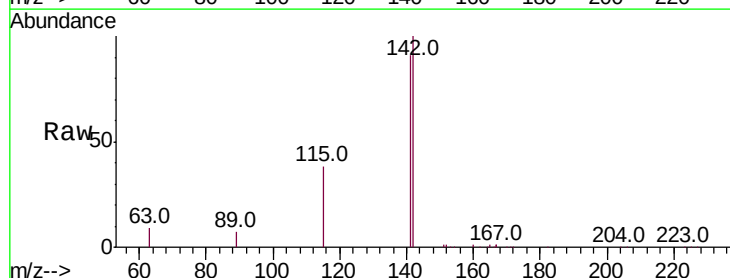
Instrument :
 BNA_E
 ClientSampleId :

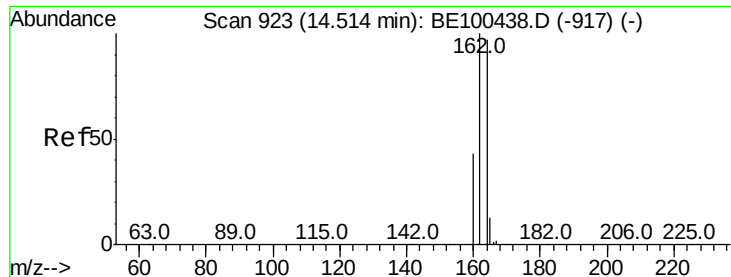
Tot Ion:152 Resp: 8382
 Ion Ratio Lower Upper
 152 100
 151 15.1 16.0 24.0#



#12
 2-Methylnaphthalene
 Concen: 0.993 ng
 RT: 12.34 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: BE100457.D
 Acq: 17 Jul 2019 20:07

Tgt Ion:142 Resp: 39636
 Ion Ratio Lower Upper
 142 100
 141 91.3 70.9 106.3
 115 37.9 29.0 43.4

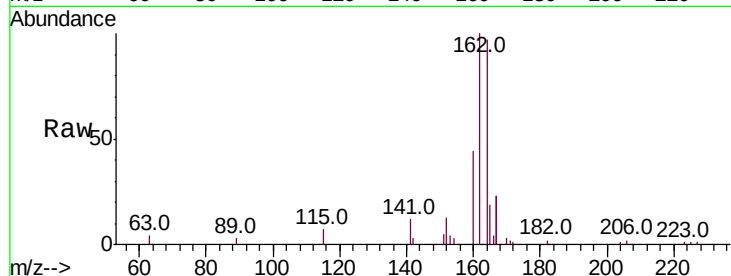




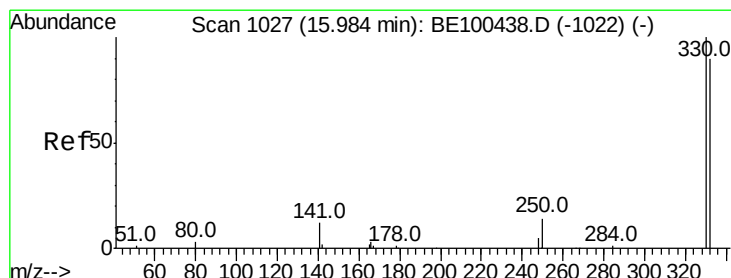
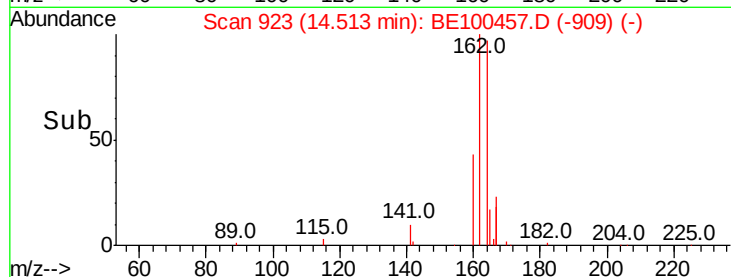
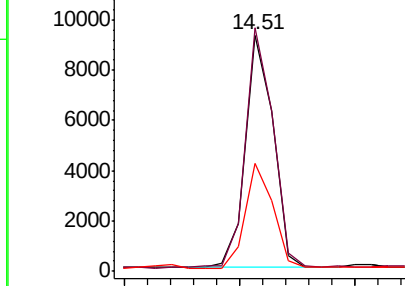
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 15545
Ion Ratio Lower Upper
164 100
162 103.2 82.6 124.0
160 45.6 35.6 53.4

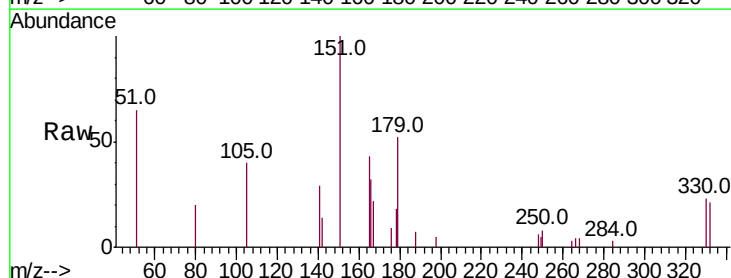


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

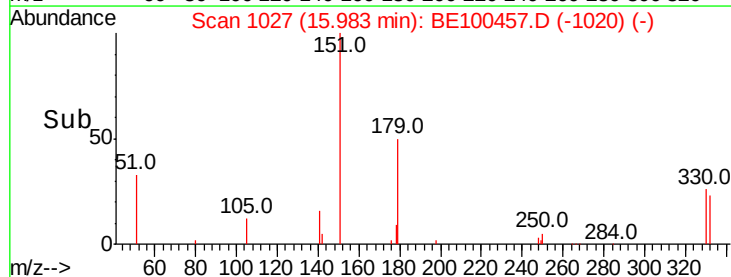
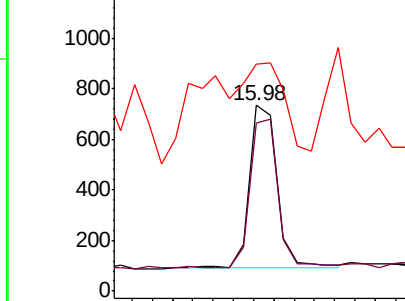


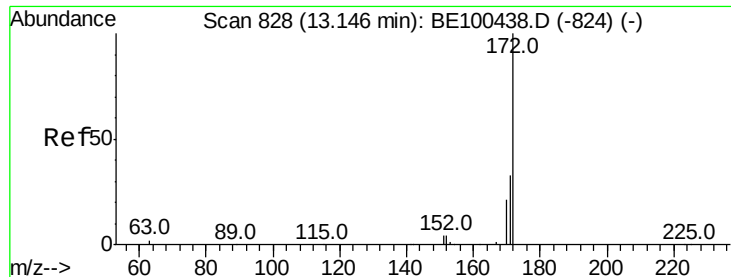
#14
2,4,6-Tribromophenol
Concen: 0.347 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:330 Resp: 1220
Ion Ratio Lower Upper
330 100
332 90.3 76.3 114.5
141 81.8 28.1 42.1#



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

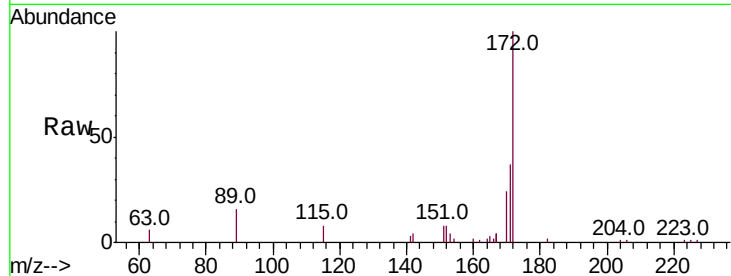




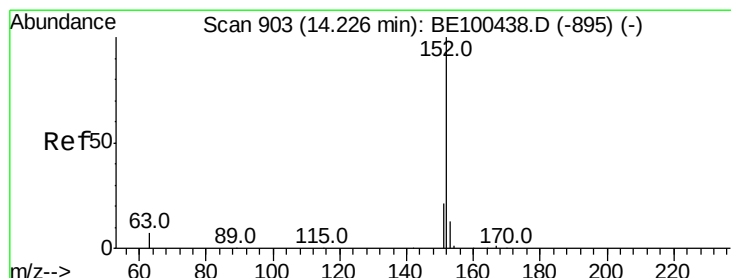
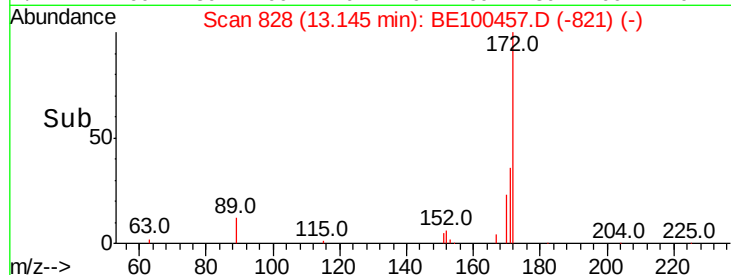
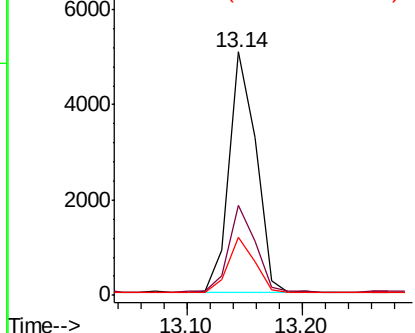
#15
2-Fluorobiphenyl
Concen: 0.117 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 8141
Ion Ratio Lower Upper
172 100
171 36.9 27.0 40.4
170 23.8 17.4 26.0

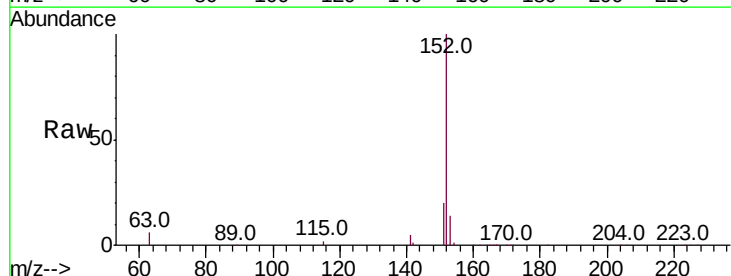


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

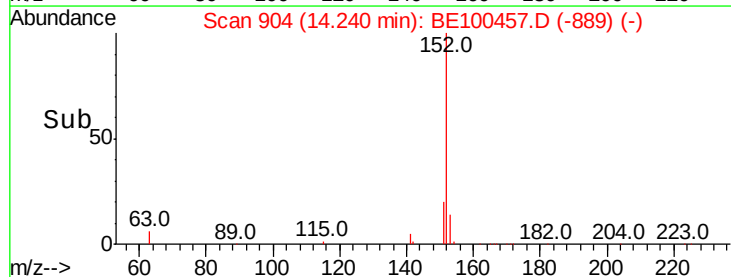
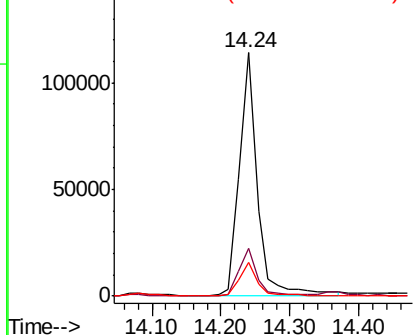


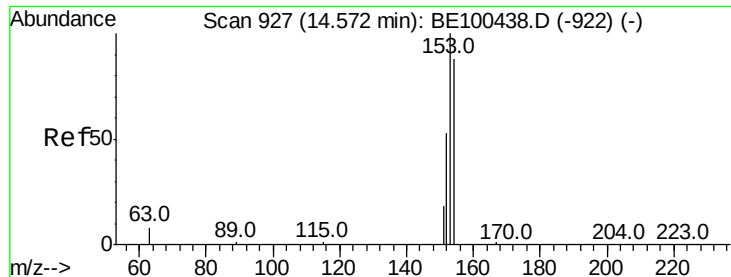
#16
Acenaphthylene
Concen: 3.232 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:152 Resp: 203186
Ion Ratio Lower Upper
152 100
151 19.5 15.8 23.8
153 13.8 10.4 15.6



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

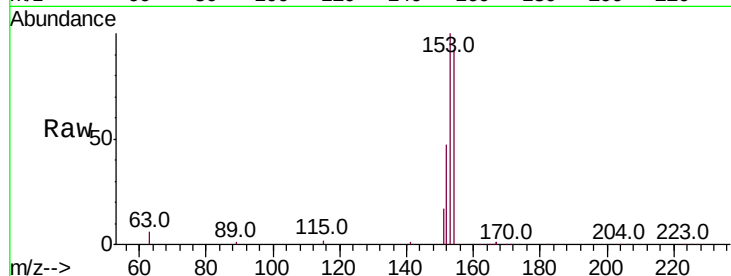




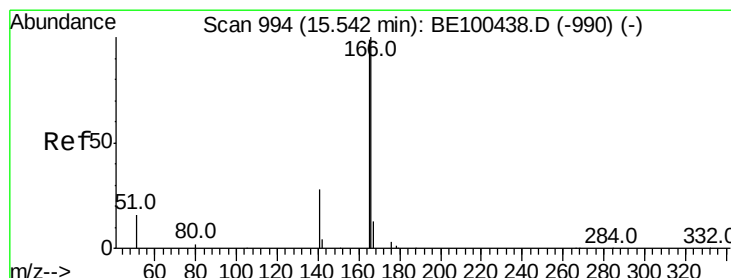
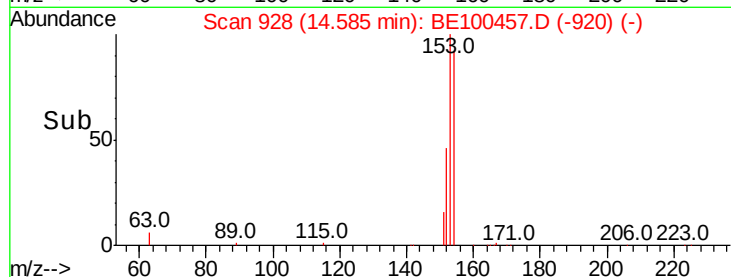
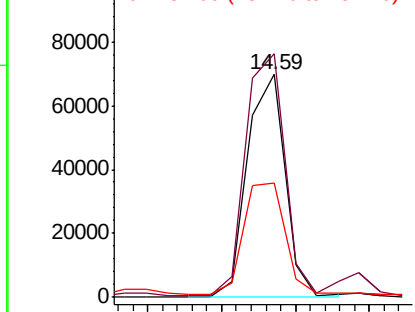
#17
Acenaphthene
Concen: 2.839 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 122662
Ion Ratio Lower Upper
154 100
153 116.9 91.0 136.4
152 54.9 49.4 74.2

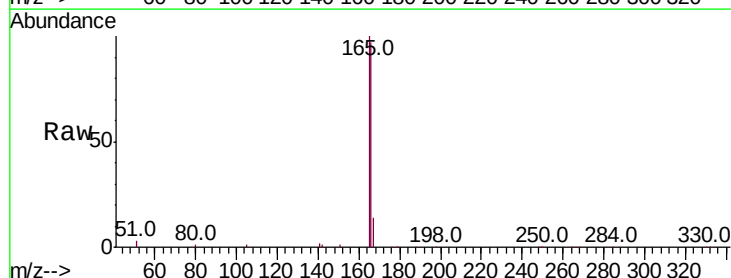


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

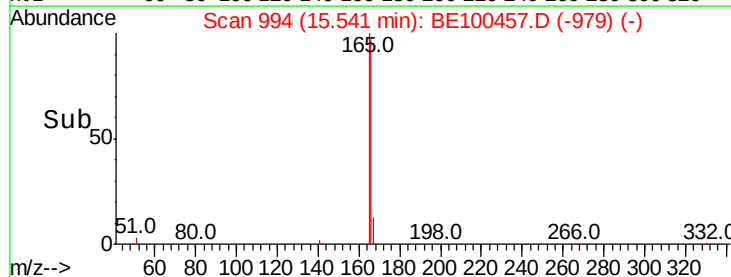
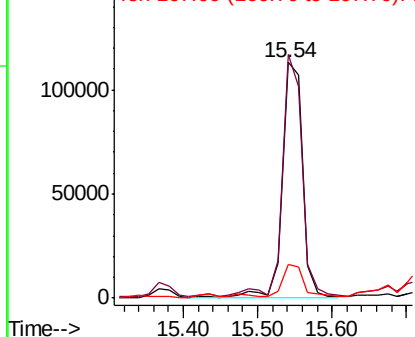


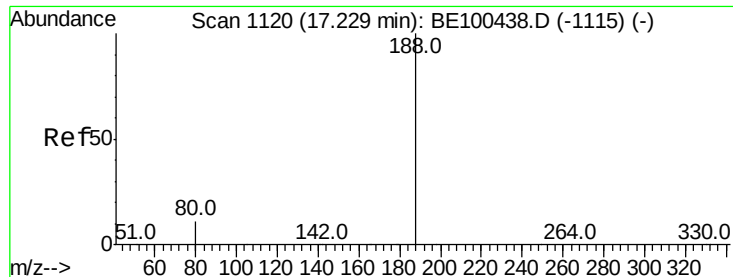
#18
Fluorene
Concen: 3.777 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:166 Resp: 210412
Ion Ratio Lower Upper
166 100
165 102.6 79.6 119.4
167 14.5 10.6 15.8



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: 17.24 min Scan# 1121

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

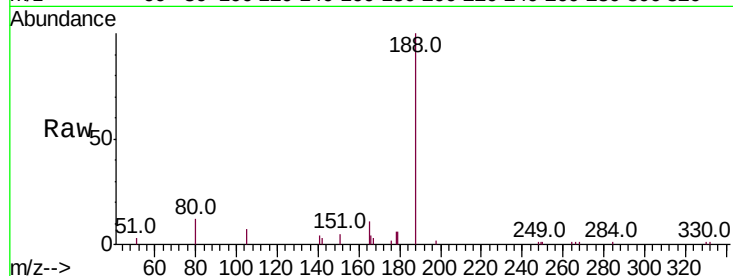
Tot Ion:188 Resp: 35001

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 11.7 9.2 13.8



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

30000

25000

20000

15000

10000

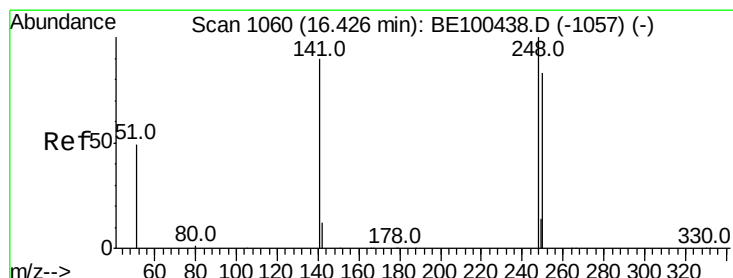
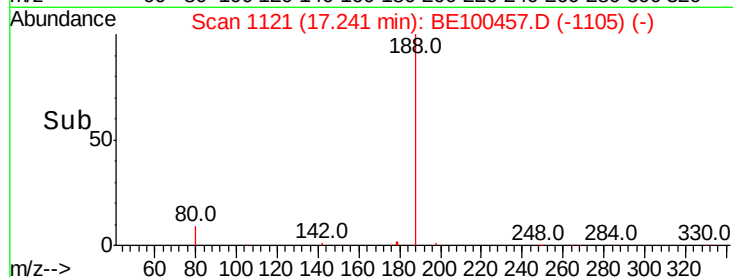
5000

0

17.24

17.20 17.30

Time-->



#20

4-Bromophenyl-phenylether

Concen: 0.157 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

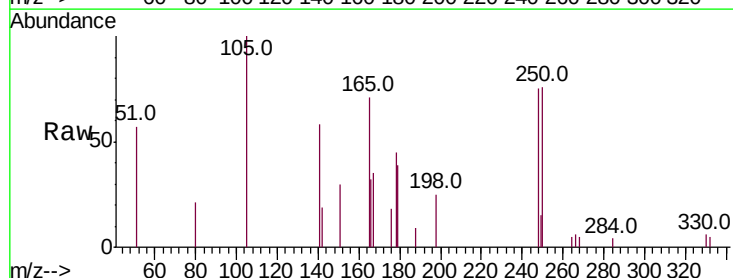
Tgt Ion:248 Resp: 2866

Ion Ratio Lower Upper

248 100

250 101.6 67.1 100.7#

141 77.2 72.2 108.2



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

3000

2500

2000

1500

1000

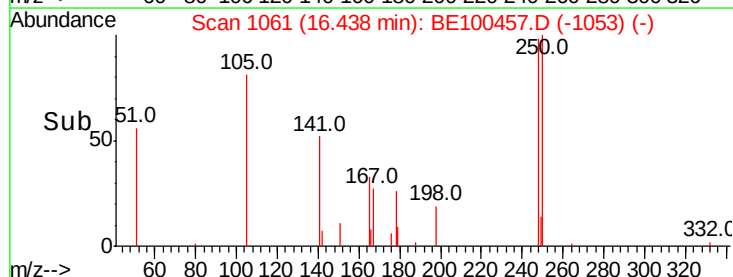
500

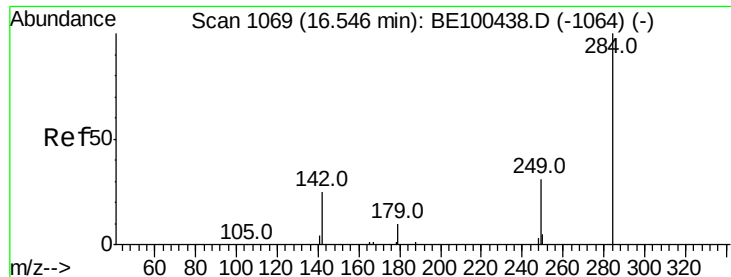
0

16.44

16.35 16.40 16.45 16.50

Time-->

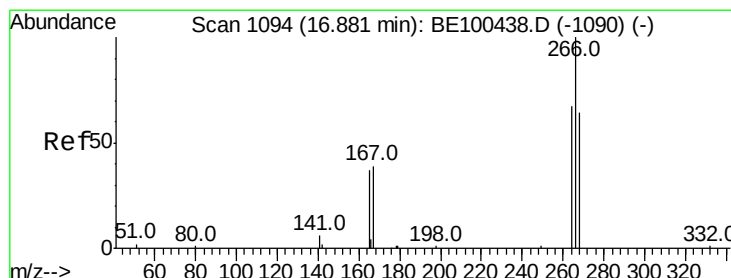
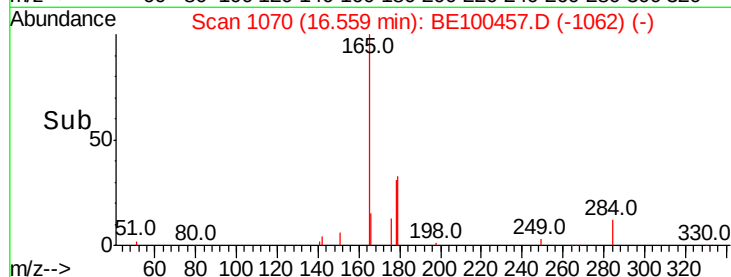
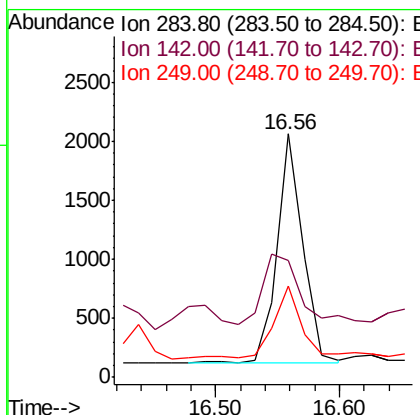
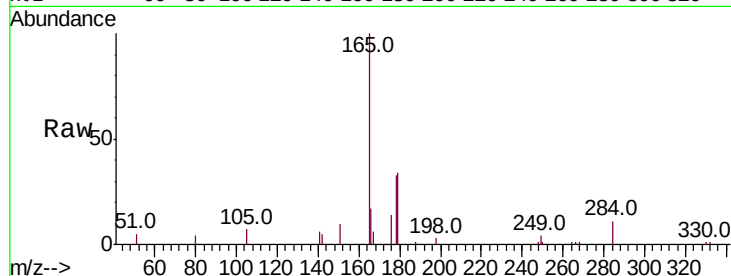




#21
Hexachlorobenzene
Concen: 0.130 ng
RT: 16.56 min Scan# 1070
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

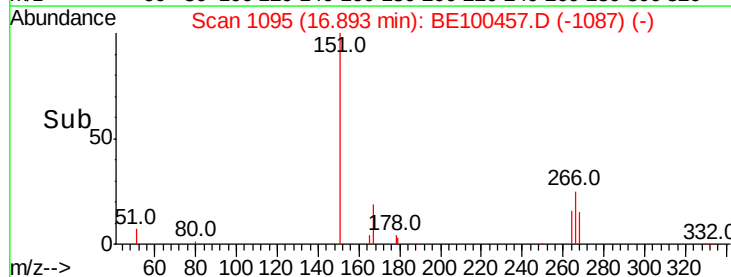
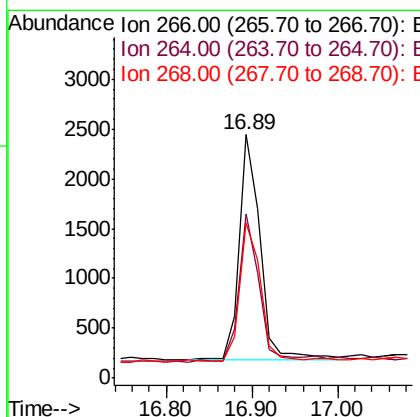
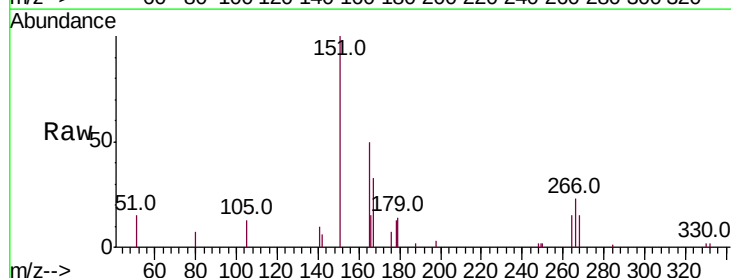
Instrument :
BNA_E
ClientSampled :

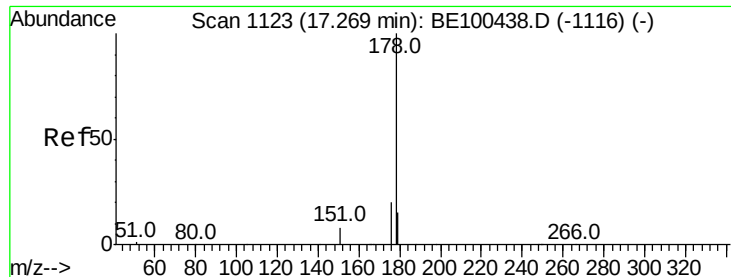
Tot Ion:284 Resp: 2779
Ion Ratio Lower Upper
284 100
142 40.9 25.6 38.4#
249 33.7 25.1 37.7



#22
Pentachlorophenol
Concen: 0.934 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:266 Resp: 3807
Ion Ratio Lower Upper
266 100
264 67.4 56.2 84.2
268 63.5 54.9 82.3





#23

Phenanthrene

Concen: 32.572 ng

RT: 17.28 min Scan# 1124

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

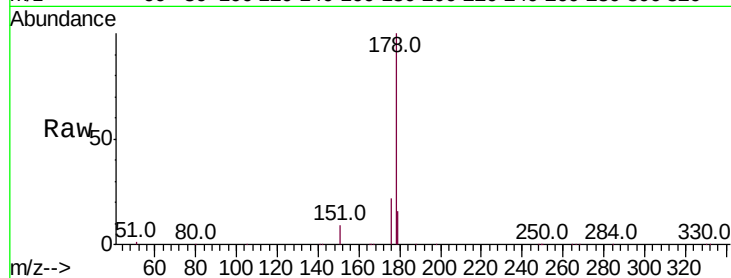
Tot Ion:178 Resp: 3037639

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.5	23.3
179	16.2	12.4	18.6

178 100

176 20.6 15.5 23.3

179 16.2 12.4 18.6

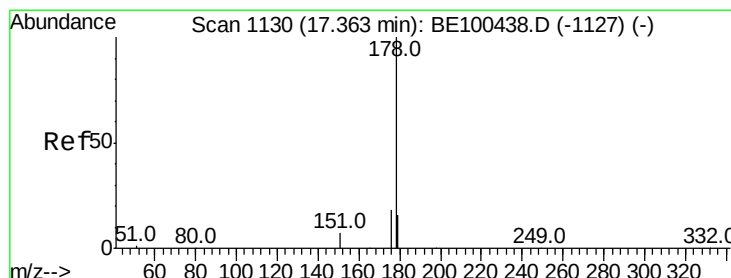
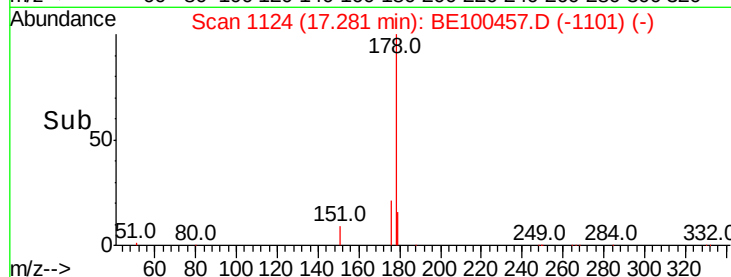
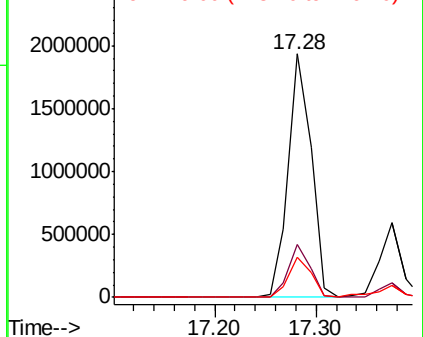


Abundance

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: 11.001 ng

RT: 17.38 min Scan# 1131

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

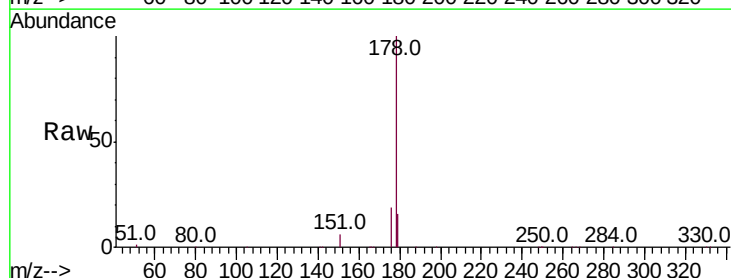
Tgt Ion:178 Resp: 846747

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	17.8	12.3	18.5

178 100

176 18.9 15.0 22.4

179 17.8 12.3 18.5

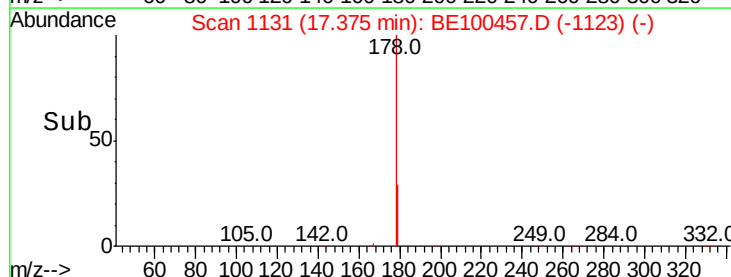
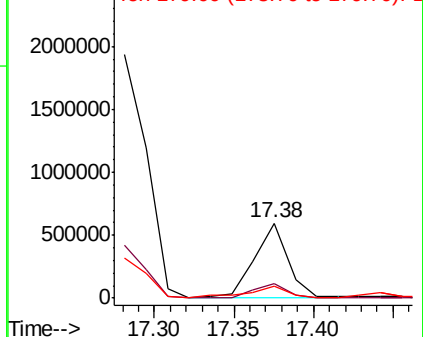


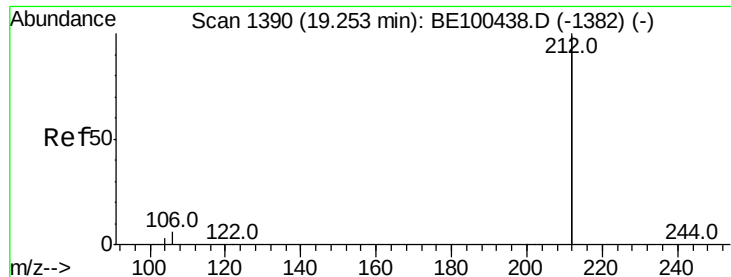
Abundance

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: 0.153 ng

RT: 19.26 min Scan# 1392

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

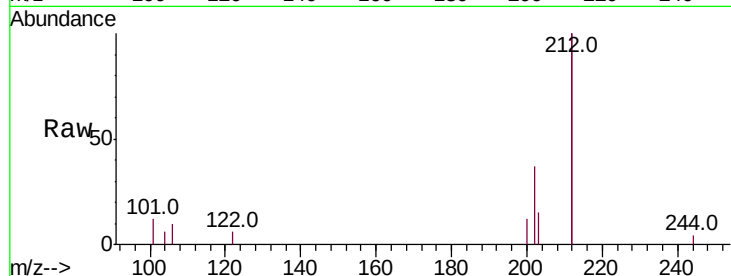
Tot Ion:212 Resp: 63936

Ion Ratio Lower Upper

212 100

106 3.1 2.6 3.8

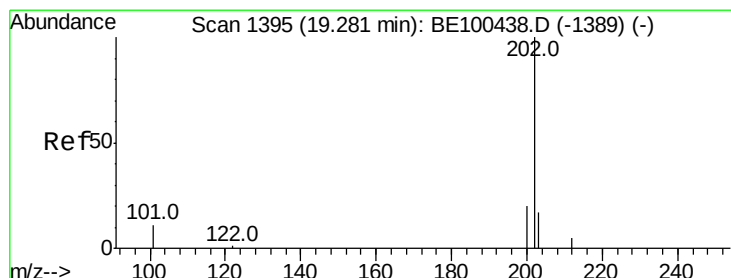
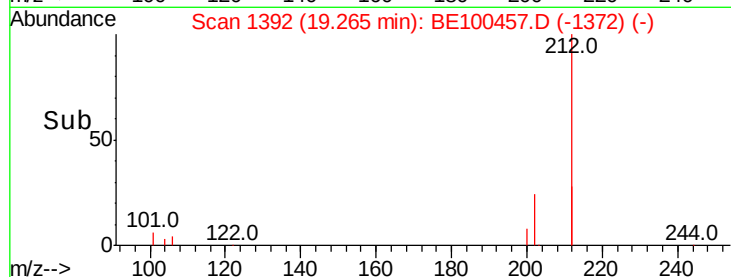
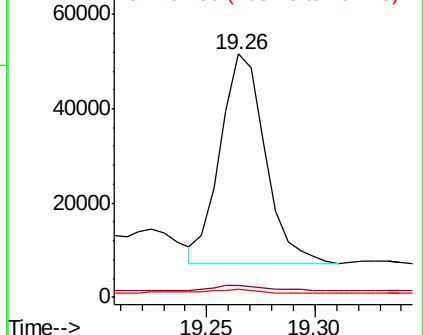
104 2.0 1.4 2.2



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: 41.520 ng

RT: 19.30 min Scan# 1398

Delta R.T. 0.02 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

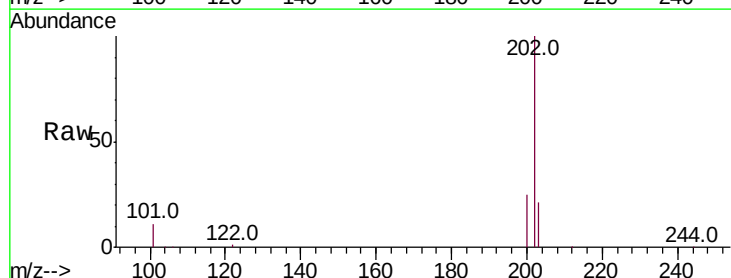
Tgt Ion:202 Resp: 4921239

Ion Ratio Lower Upper

202 100

101 11.0 8.9 13.3

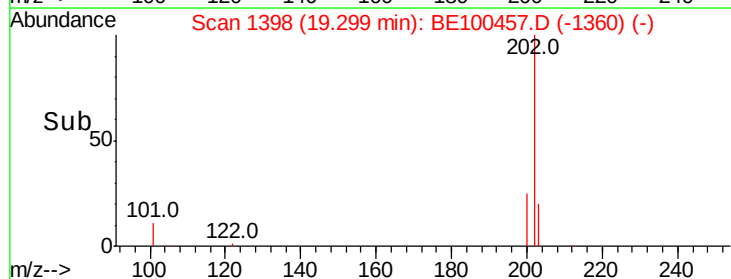
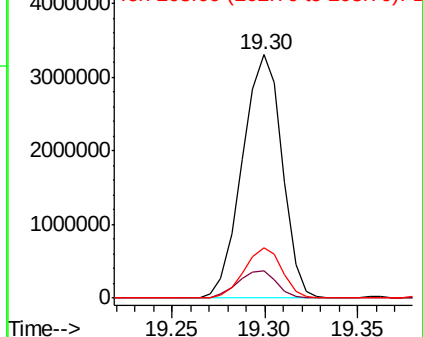
203 19.6 13.8 20.6

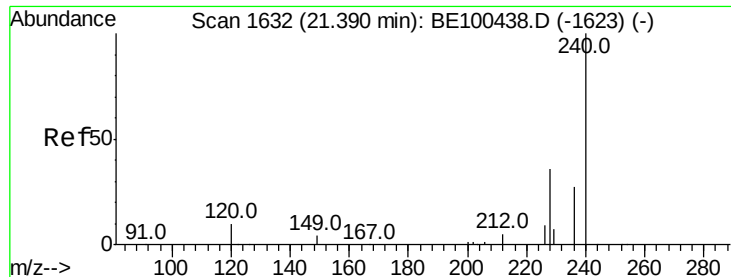


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

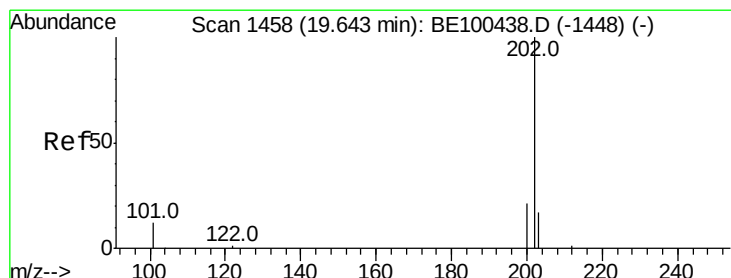
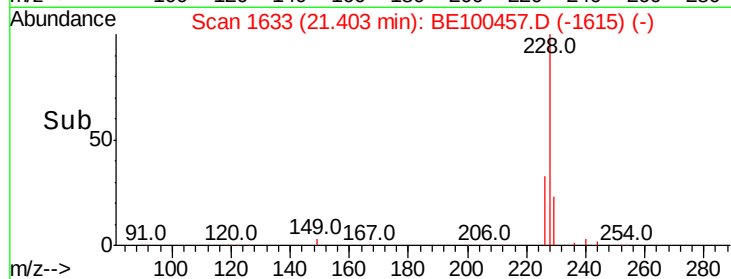
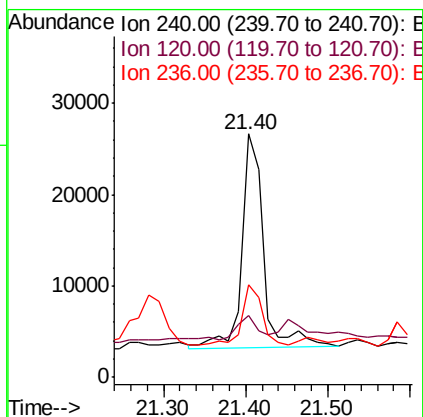
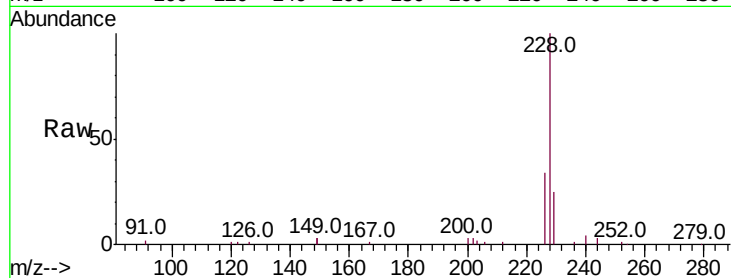




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: BE100457.D
 Acq: 17 Jul 2019 20:07

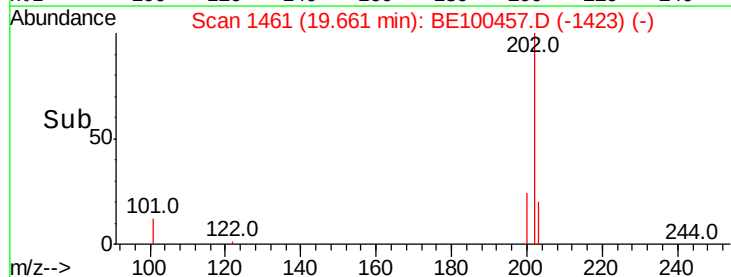
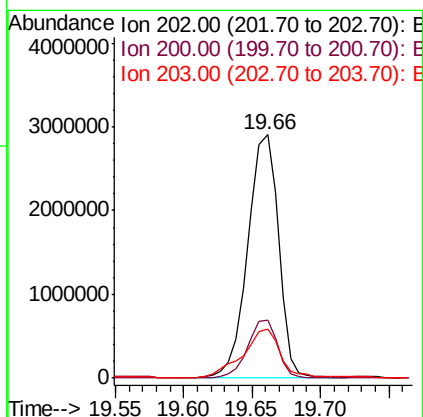
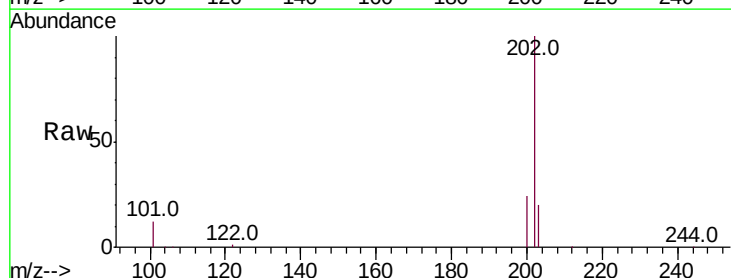
Instrument :
 BNA_E
 ClientSampleId :

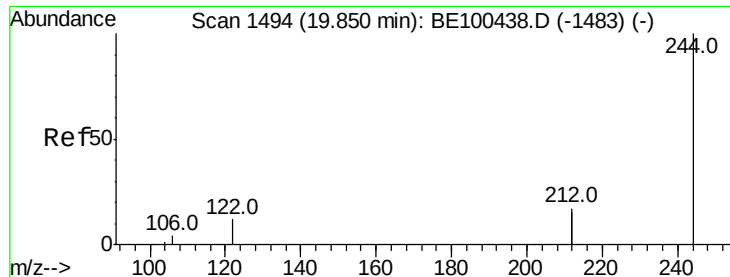
Tot Ion:240 Resp: 42891
 Ion Ratio Lower Upper
 240 100
 120 25.6 8.8 13.2#
 236 38.1 22.0 33.0#



#28
 Pyrene
 Concen: 35.932 ng
 RT: 19.66 min Scan# 1461
 Delta R.T. 0.02 min
 Lab File: BE100457.D
 Acq: 17 Jul 2019 20:07

Tgt Ion:202 Resp: 4508421
 Ion Ratio Lower Upper
 202 100
 200 23.3 16.8 25.2
 203 24.3 13.8 20.8#





#29

Terphenyl-d14

Concen: 0.135 ng

RT: 19.86 min Scan# 1495

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

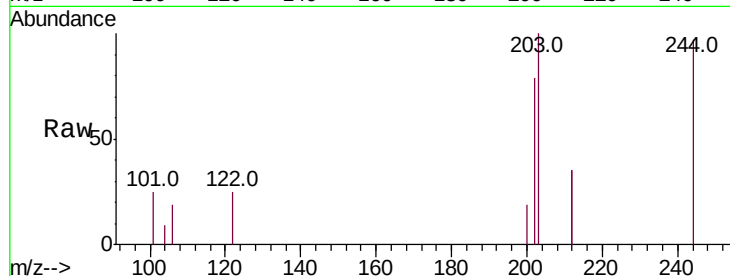
Tot Ion:244 Resp: 14223

Ion Ratio Lower Upper

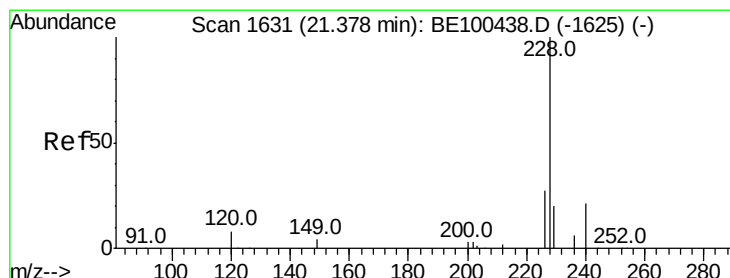
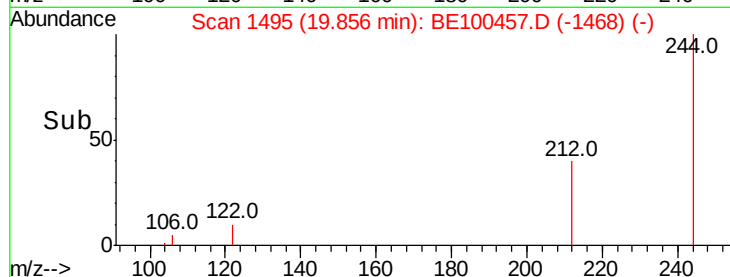
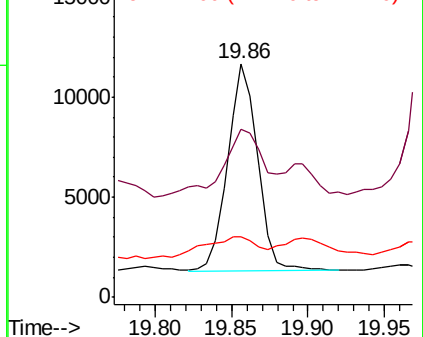
244 100

212 72.1 26.3 39.5#

122 26.1 9.4 14.2#



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: 23.595 ng

RT: 21.39 min Scan# 1632

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

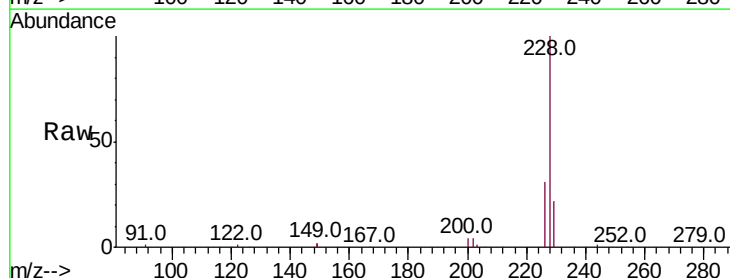
Tgt Ion:228 Resp: 2746695

Ion Ratio Lower Upper

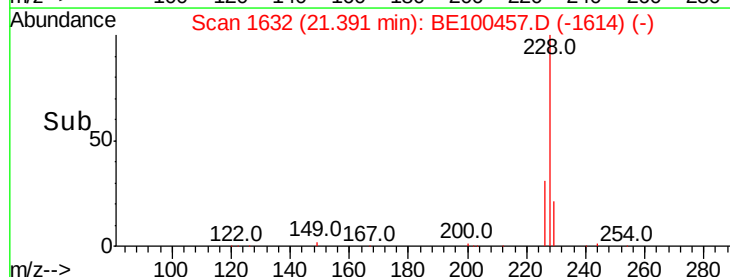
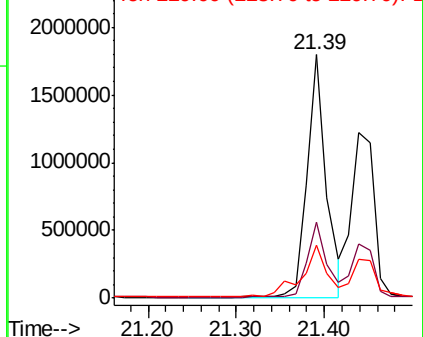
228 100

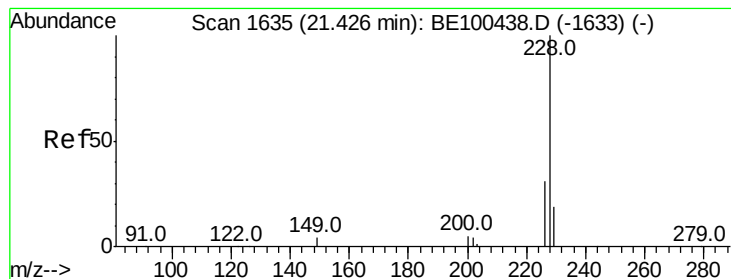
226 31.2 21.6 32.4

229 22.0 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: 15.505 ng

RT: 21.44 min Scan# 1636

Delta R.T. 0.01 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

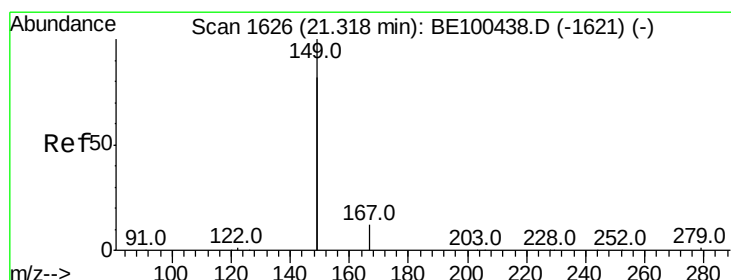
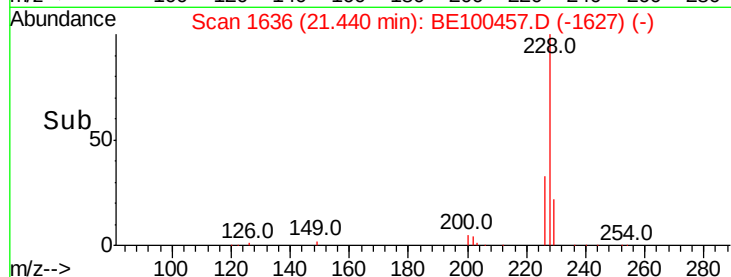
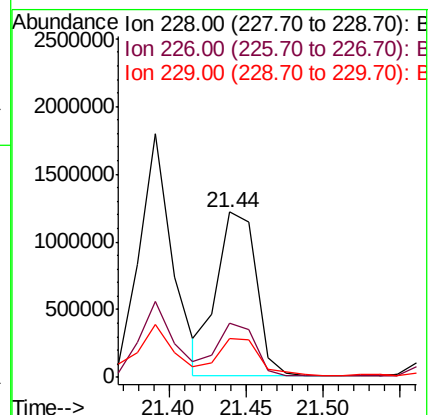
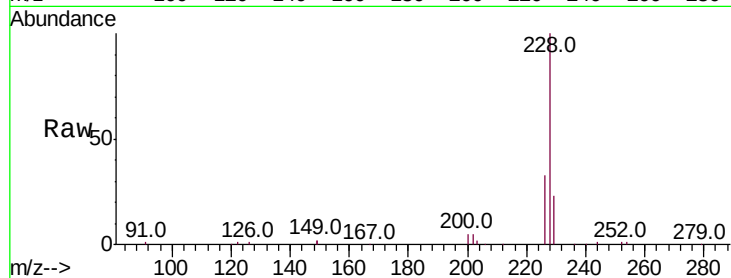
Instrument :

BNA_E

ClientSampled :

Tot Ion:228 Resp: 2143428

Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.8	37.2
229	23.2	15.8	23.6



#32

Bis(2-ethylhexyl)phthalate

Concen: 7.743 ng

RT: 21.33 min Scan# 1627

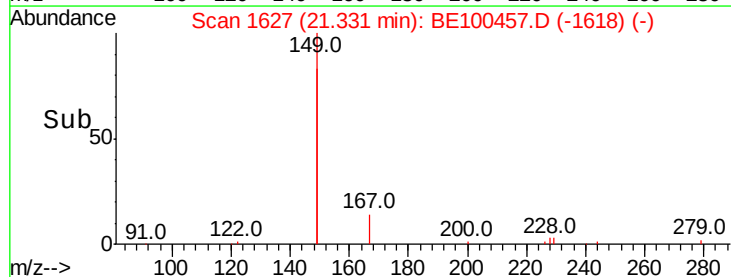
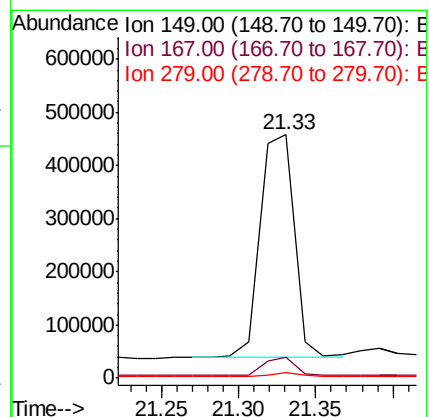
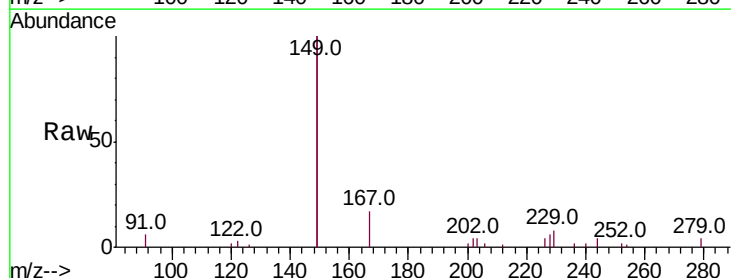
Delta R.T. 0.01 min

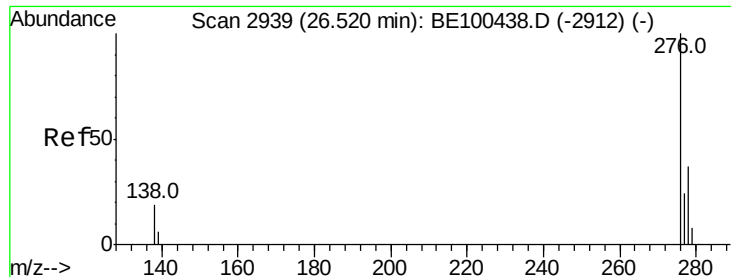
Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Tgt Ion:149 Resp: 646505

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.0	7.6
279	1.2	1.2	1.8





#33

Indeno(1,2,3-cd)pyrene

Concen: 10.257 ng

RT: 26.59 min Scan# 2959

Delta R.T. 0.07 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

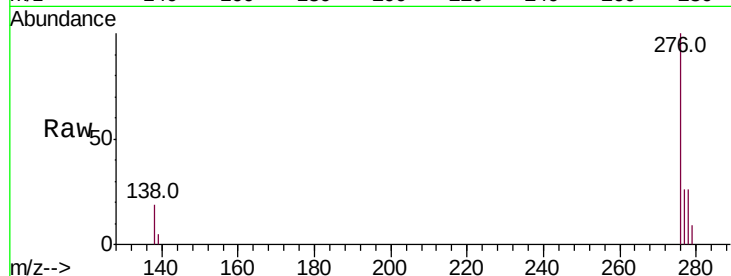
Tot Ion:276 Resp: 1260660

Ion Ratio Lower Upper

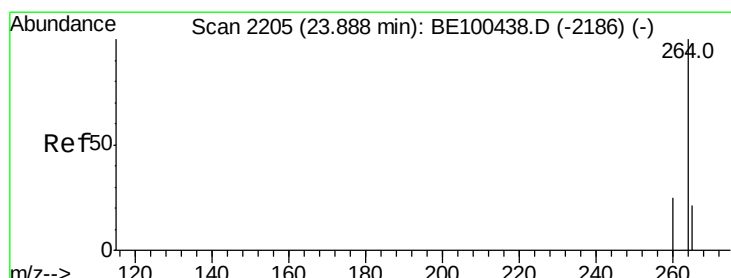
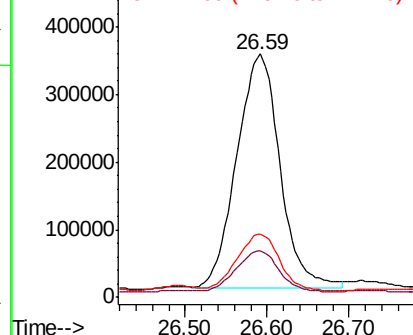
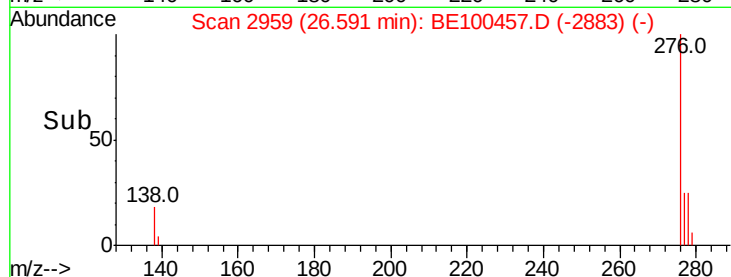
276 100

138 17.1 17.0 25.6

277 23.9 19.8 29.6



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: 23.92 min Scan# 2213

Delta R.T. 0.03 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

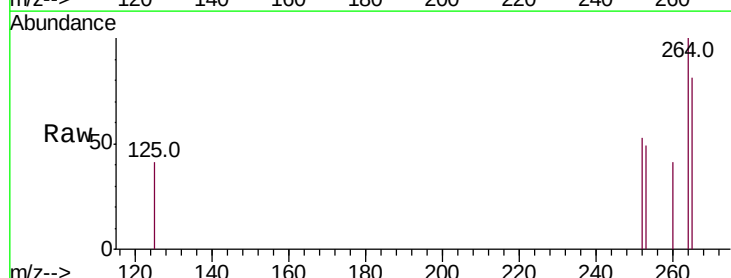
Tgt Ion:264 Resp: 42078

Ion Ratio Lower Upper

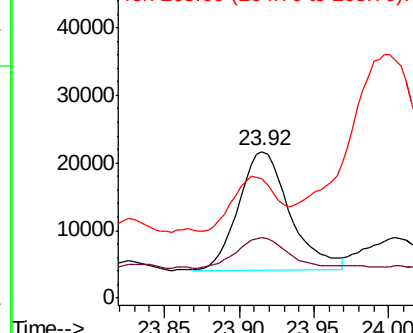
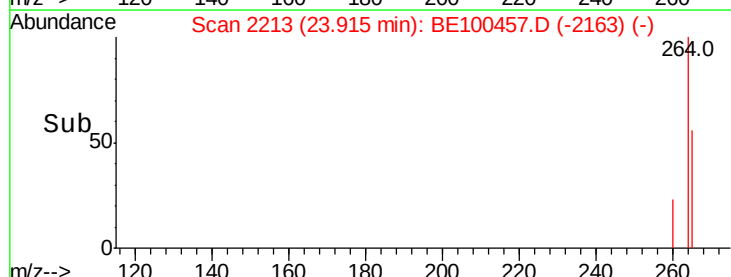
264 100

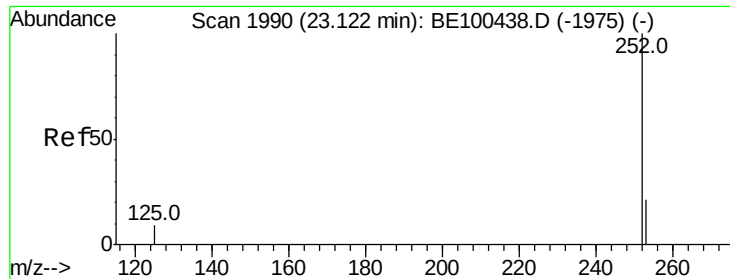
260 41.2 20.0 30.0#

265 81.5 22.2 33.4#



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

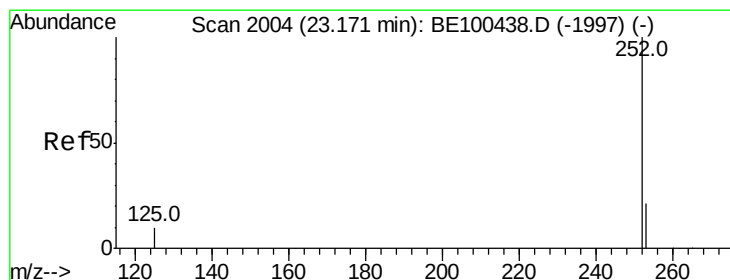
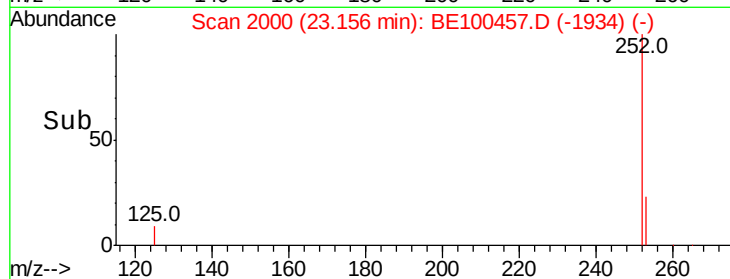
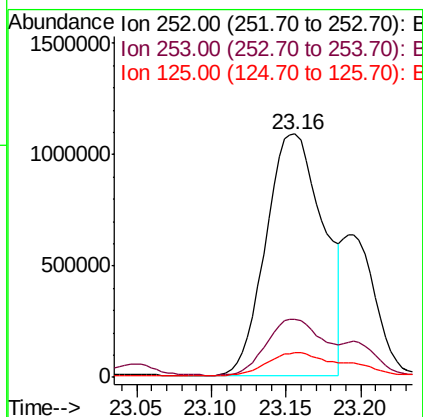
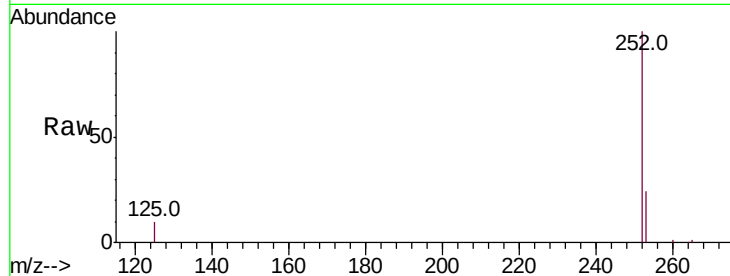




#35
Benzo(b)fluoranthene
Concen: 22.564 ng
RT: 23.16 min Scan# 2000
Delta R.T. 0.03 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

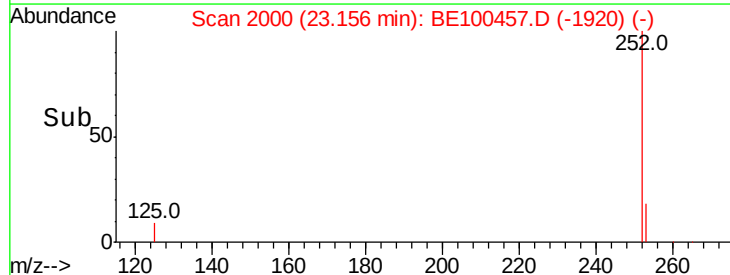
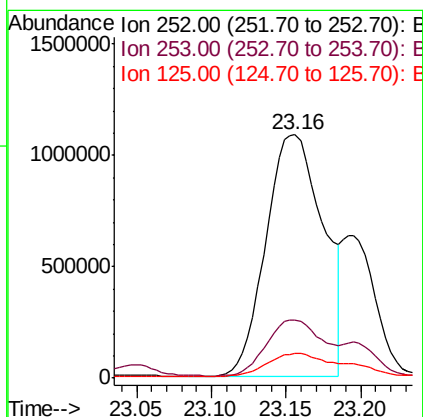
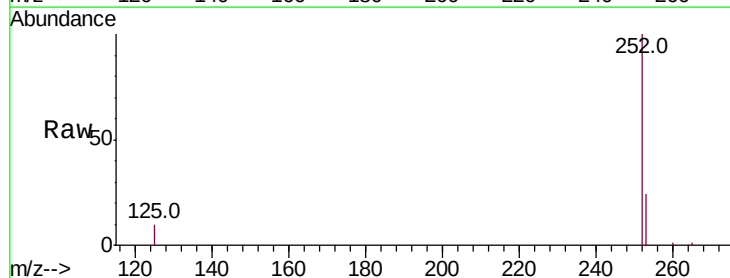
Instrument :
BNA_E
ClientSampleId :

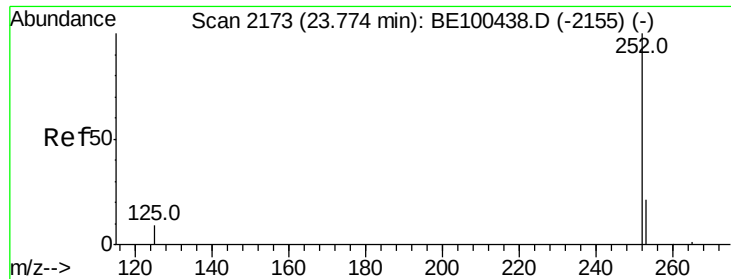
Tot Ion:252 Resp: 2900929
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 10.0 8.0 12.0



#36
Benzo(k)fluoranthene
Concen: 21.323 ng
RT: 23.16 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:252 Resp: 2900929
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 10.0 8.3 12.5





#37

Benzo(a)pyrene

Concen: 20.853 ng

RT: 23.81 min Scan# 2183

Delta R.T. 0.03 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :

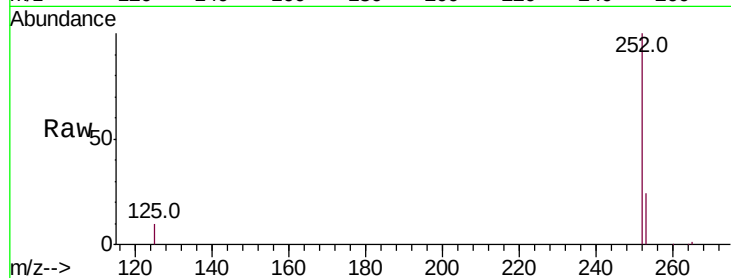
Tot Ion:252 Resp: 2204462

Ion Ratio Lower Upper

252 100

253 24.1 18.0 27.0

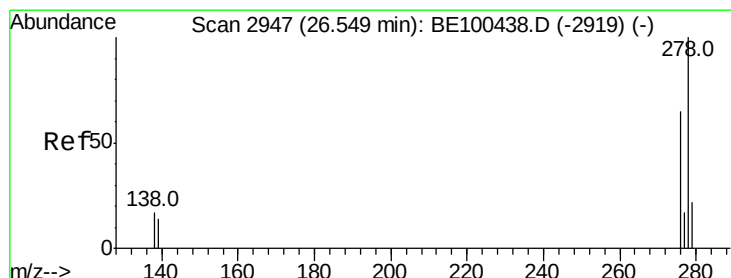
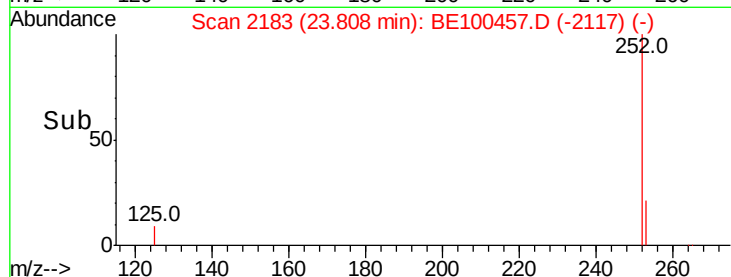
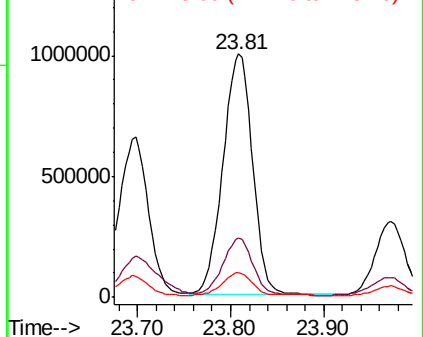
125 10.1 9.0 13.6



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: 2.885 ng

RT: 26.61 min Scan# 2963

Delta R.T. 0.06 min

Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

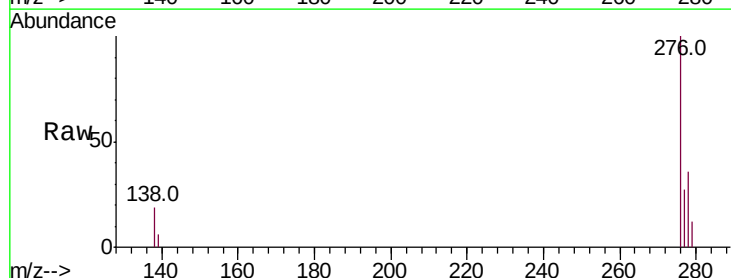
Tgt Ion:278 Resp: 325118

Ion Ratio Lower Upper

278 100

139 17.6 12.2 18.2

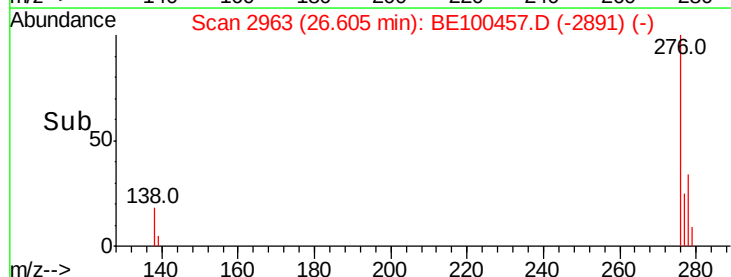
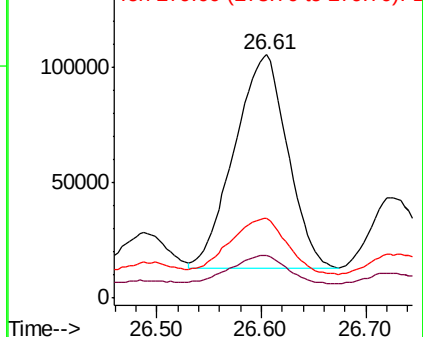
279 32.7 18.6 27.8#

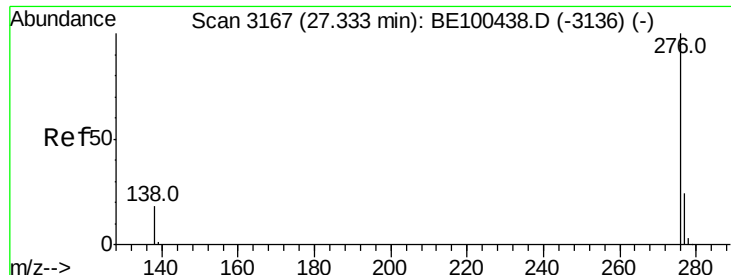


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.284 ng

RT: 27.41 min Scan# 3189

Delta R.T. 0.08 min

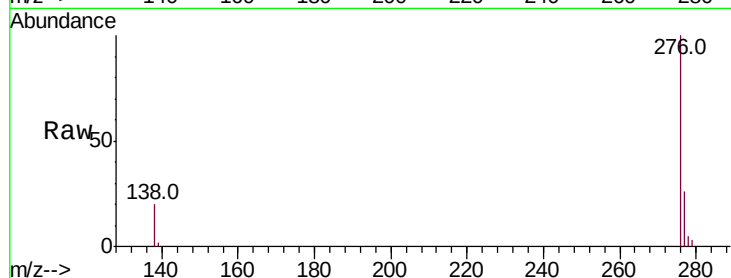
Lab File: BE100457.D

Acq: 17 Jul 2019 20:07

Instrument :

BNA_E

ClientSampleId :



Tot Ion:276 Resp: 1212230

Ion Ratio Lower Upper

276 100

277 25.5 19.6 29.4

138 19.5 15.1 22.7

