

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071619\
 Data File : BE100441.D
 Acq On : 16 Jul 2019 11:34
 Operator : HP/JU
 Sample : SSTDICC3.2
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jul 16 12:59:19 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 12:52:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	5160	0.40	ng	0.00
7) Naphthalene-d8	10.68	136	18894	0.40	ng	0.00
13) Acenaphthene-d10	14.51	164	10709	0.40	ng	0.00
19) Phenanthrene-d10	17.23	188	24150	0.40	ng	0.00
27) Chrysene-d12	21.39	240	30954	0.40	ng	0.00
34) Perylene-d12	23.88	264	28055	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.47	112	31530	3.01	ng	0.00
5) Phenol-d6	7.04	99	47305	3.13	ng	0.00
8) Nitrobenzene-d5	9.03	82	36155	3.74	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	98185	2.35	ng	0.00
14) 2,4,6-Tribromophenol	15.98	330	9847	3.56	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	145403	3.06	ng	0.00
25) Fluoranthene-d10	19.25	212	1044004	2.44	ng	0.00
29) Terphenyl-d14	19.85	244	231766	3.08	ng	0.00

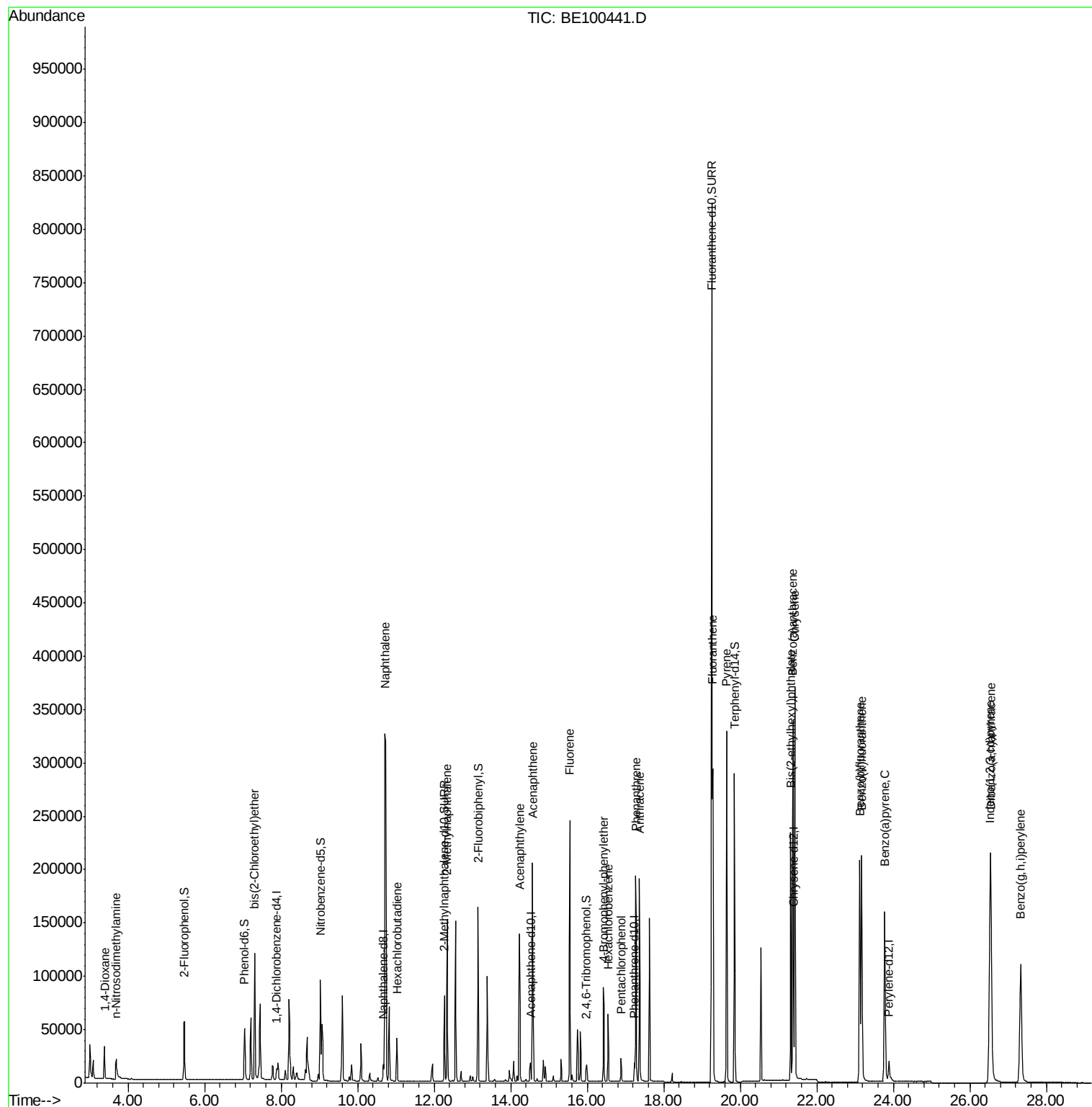
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	21094	2.840	ng	96
3) n-Nitrosodimethylamine	3.68	42	16223	3.562	ng	# 79
6) bis(2-Chloroethyl)ether	7.31	93	45712	3.115	ng	100
9) Naphthalene	10.72	128	594194	3.229	ng	100
10) Hexachlorobutadiene	11.03	225	28959	3.295	ng	98
12) 2-Methylnaphthalene	12.34	142	101800	3.285	ng	99
16) Acenaphthylene	14.23	152	153326	3.453	ng	100
17) Acenaphthene	14.57	154	97821	3.232	ng	97
18) Fluorene	15.54	166	126904	3.268	ng	99
20) 4-Bromophenyl-phenylether	16.44	248	44292	3.585	ng	# 54
21) Hexachlorobenzene	16.54	284	49698	3.513	ng	99
22) Pentachlorophenol	16.88	266	10848	3.896	ng	93
23) Phenanthrene	17.27	178	213623	3.405	ng	100
24) Anthracene	17.36	178	191095	3.593	ng	100
26) Fluoranthene	19.28	202	285967	3.522	ng	99
28) Pyrene	19.64	202	280535	3.099	ng	99
30) Benzo(a)anthracene	21.38	228	297833	3.508	ng	100
31) Chrysene	21.43	228	318557	3.195	ng	99
32) Bis(2-ethylhexyl)phthalate	21.32	149	258087	3.978	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.52	276	328711	3.642	ng	99
35) Benzo(b)fluoranthene	23.12	252	292917	3.325	ng	99
36) Benzo(k)fluoranthene	23.17	252	322048	3.493	ng	99
37) Benzo(a)pyrene	23.77	252	262934	3.566	ng	98
38) Dibenzo(a,h)anthracene	26.55	278	278765	3.621	ng	98
39) Benzo(g,h,i)perylene	27.33	276	273667	3.423	ng	98

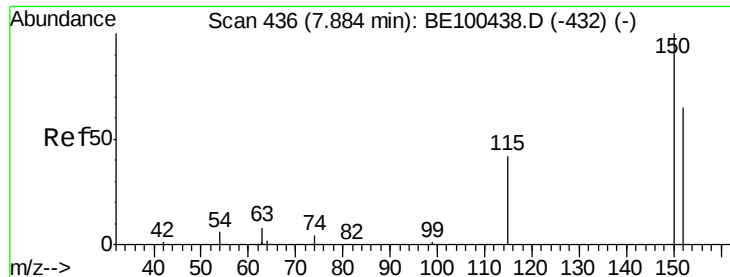
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 16 12:59:19 2019
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 436

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

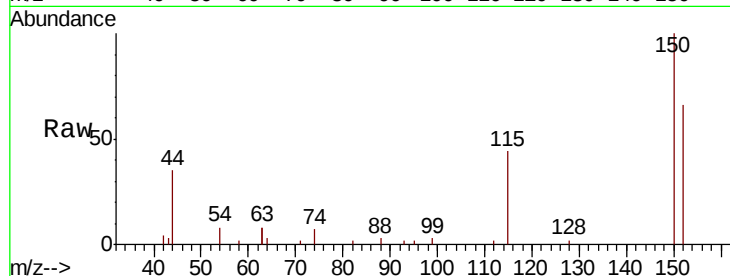
Tot Ion:152 Resp: 5160

Ion Ratio Lower Upper

152 100

150 152.5 121.7 182.5

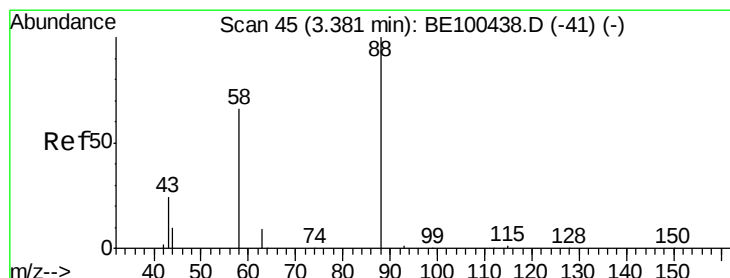
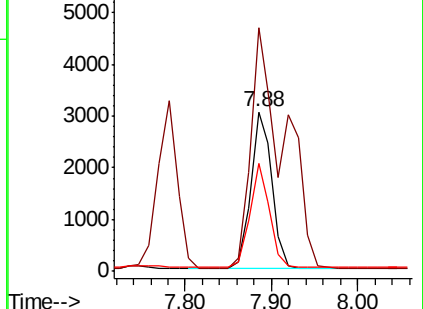
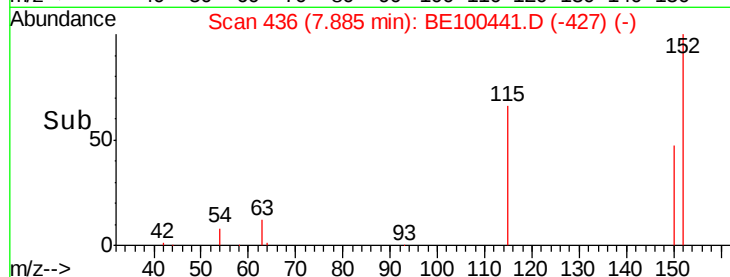
115 67.7 52.4 78.6



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: 2.840 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

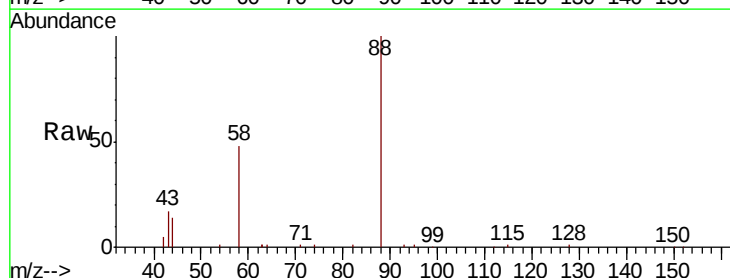
Tgt Ion: 88 Resp: 21094

Ion Ratio Lower Upper

88 100

58 75.3 57.8 86.8

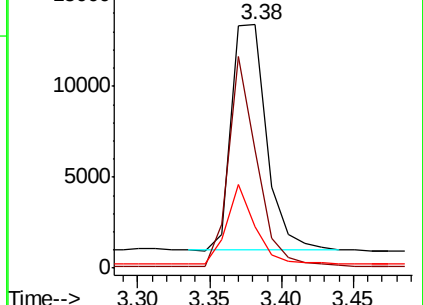
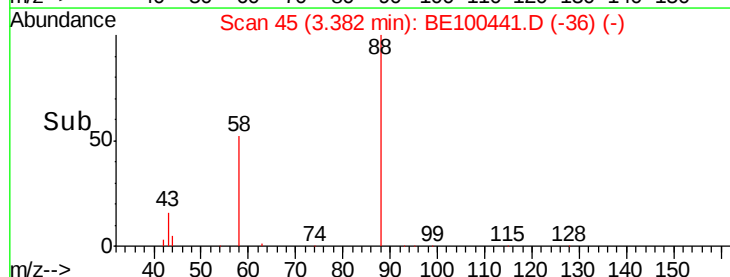
43 28.5 25.0 37.6

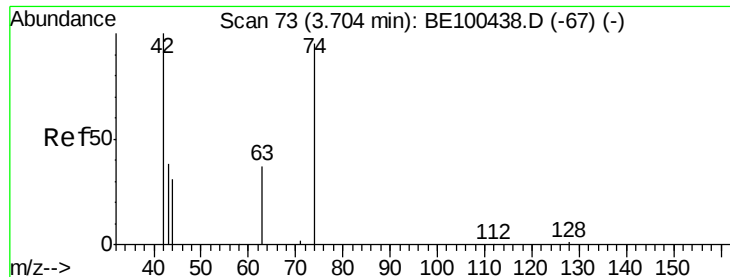


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1



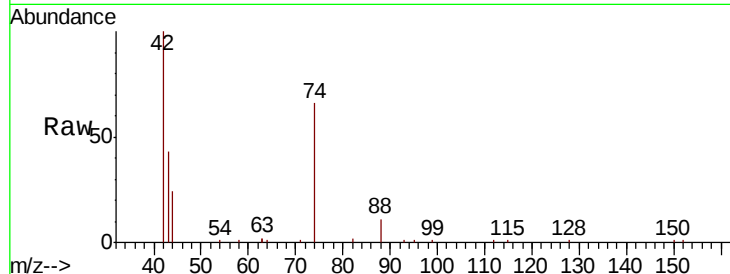


#3

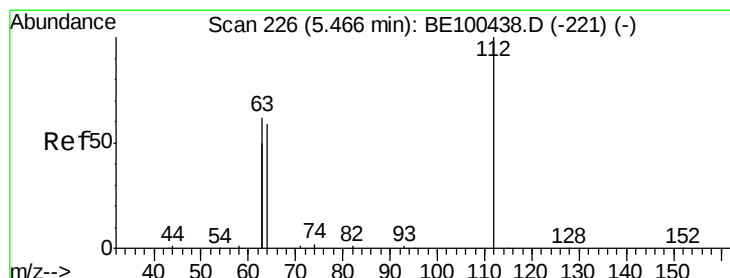
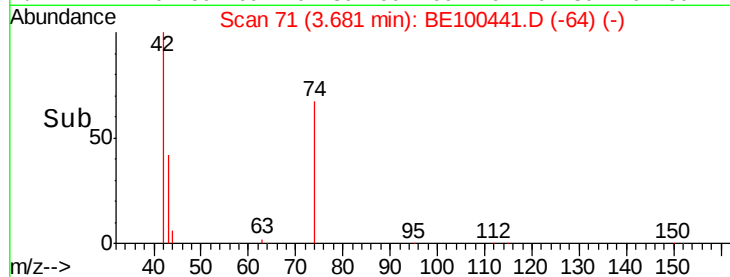
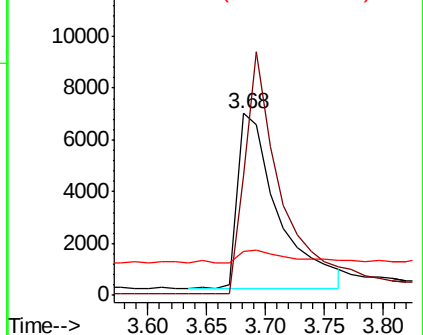
n-Nitrosodimethylamine
 Concen: 3.562 ng
 RT: 3.68 min Scan# 71
 Delta R.T. -0.02 min
 Lab File: BE100441.D
 Acq: 16 Jul 2019 11:34

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 16223
 Ion Ratio Lower Upper
 42 100
 74 123.9 85.3 127.9
 44 8.1 21.8 32.8#



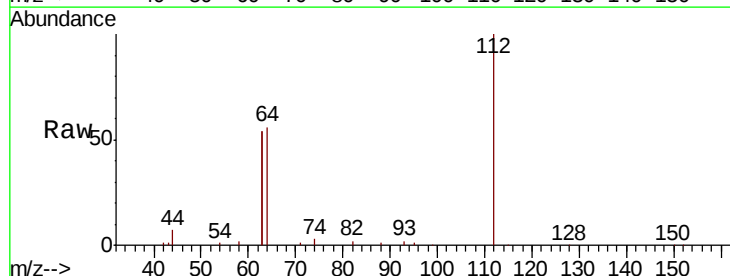
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



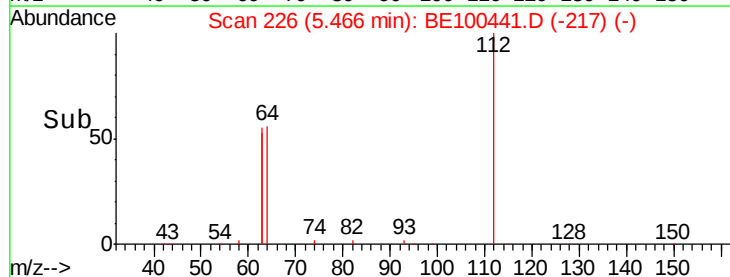
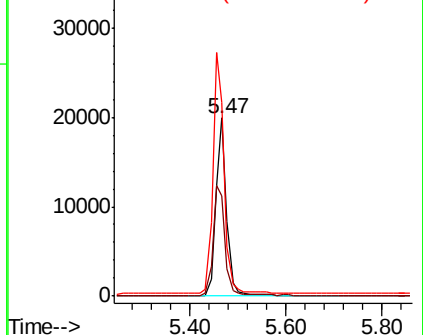
#4

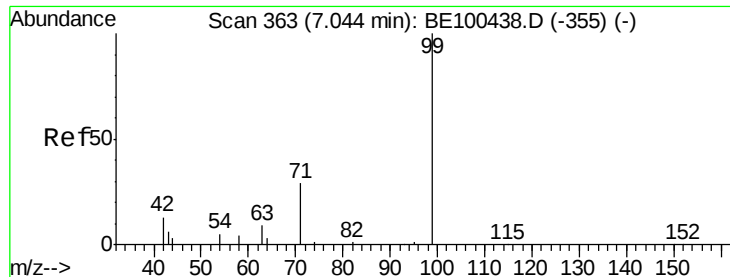
2-Fluorophenol
 Concen: 3.009 ng
 RT: 5.47 min Scan# 226
 Delta R.T. 0.00 min
 Lab File: BE100441.D
 Acq: 16 Jul 2019 11:34

Tgt Ion: 112 Resp: 31530
 Ion Ratio Lower Upper
 112 100
 64 69.3 55.0 82.4
 63 143.0 114.8 172.2



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: 3.126 ng

RT: 7.04 min Scan# 363

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

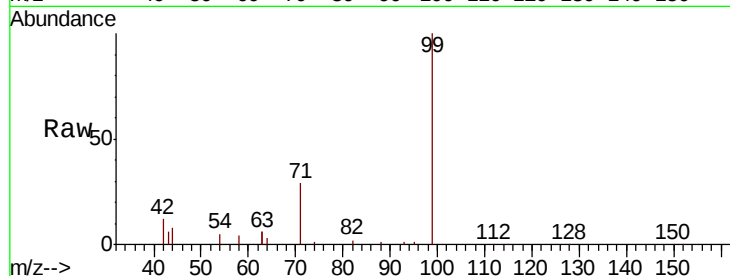
Tot Ion: 99 Resp: 47305

Ion Ratio Lower Upper

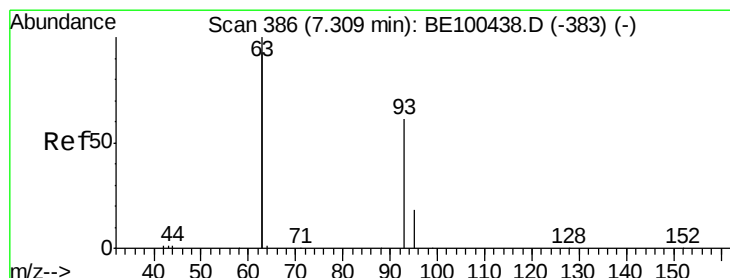
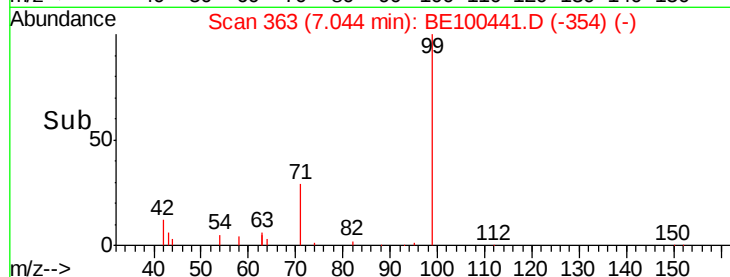
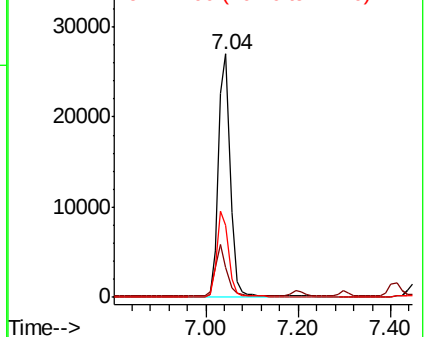
99 100

42 20.9 17.4 26.2

71 35.2 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: 3.115 ng

RT: 7.31 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

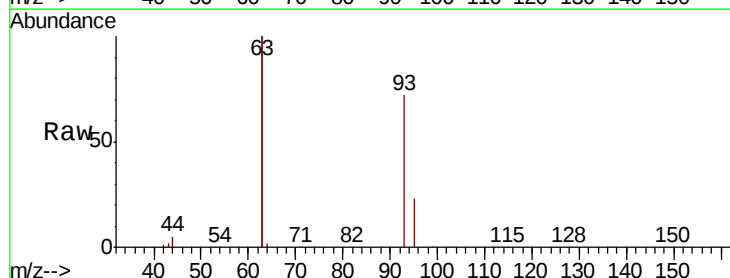
Tgt Ion: 93 Resp: 45712

Ion Ratio Lower Upper

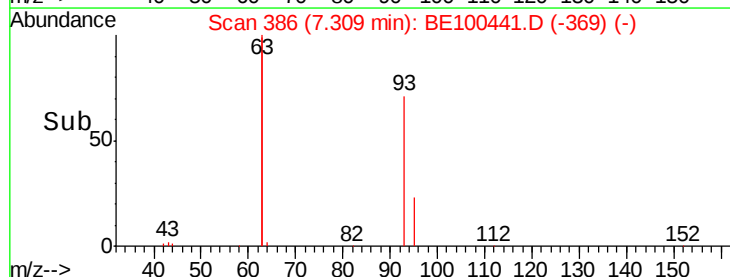
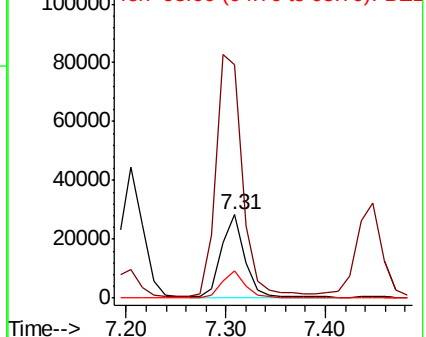
93 100

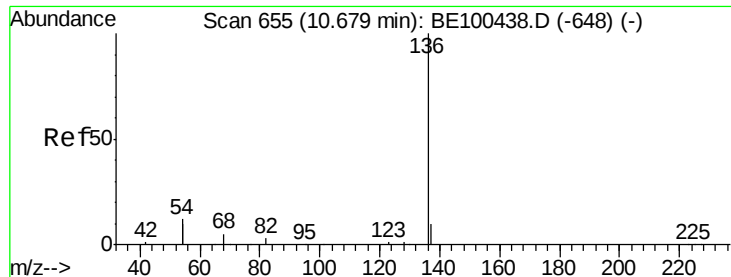
63 333.7 266.9 400.3

95 32.8 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: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 18894

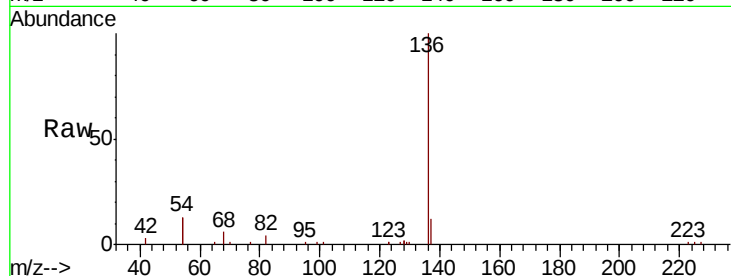
Ion Ratio Lower Upper

136 100

137 11.9 8.7 13.1

54 25.5 19.6 29.4

68 5.6 4.4 6.6

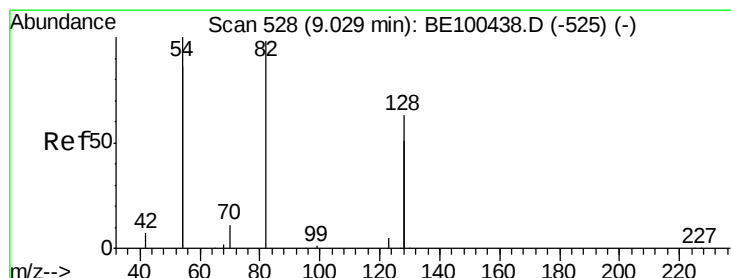
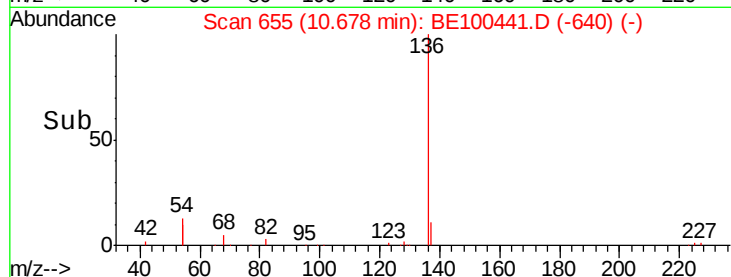
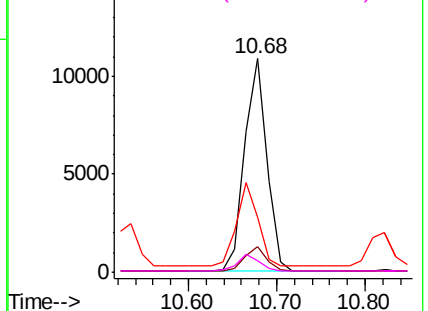


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.743 ng

RT: 9.03 min Scan# 528

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

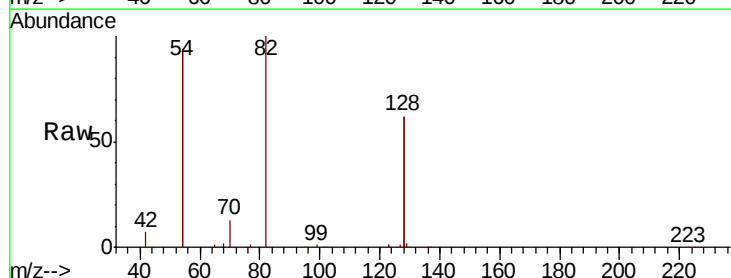
Tgt Ion: 82 Resp: 36155

Ion Ratio Lower Upper

82 100

128 124.6 97.9 146.9

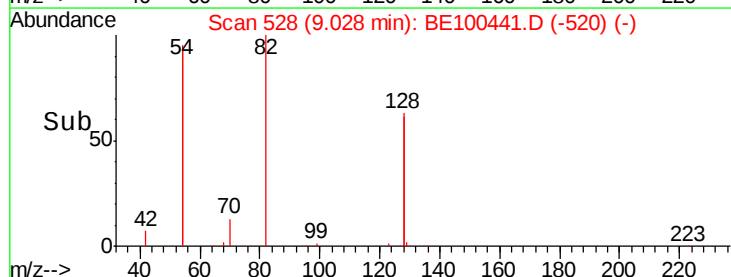
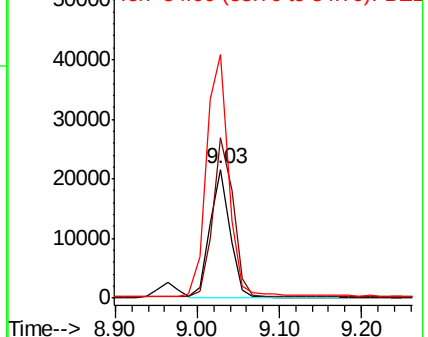
54 188.8 155.0 232.6

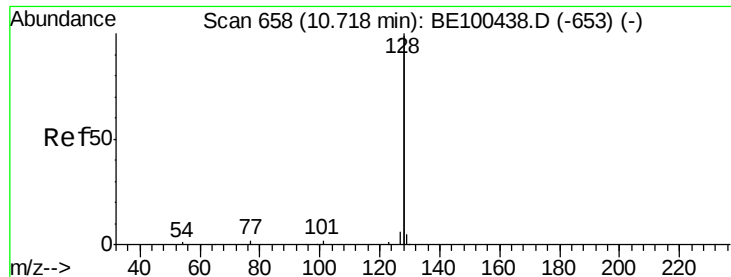


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 3.229 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

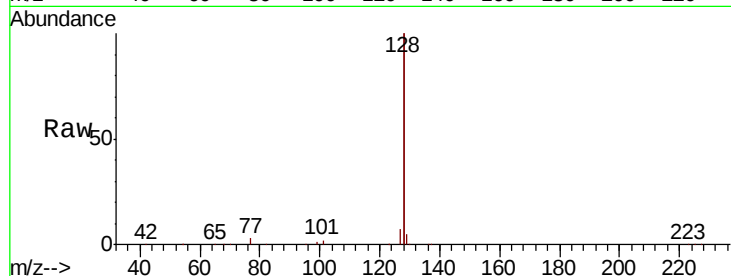
Tot Ion:128 Resp: 594194

Ion Ratio Lower Upper

128 100

129 2.7 2.2 3.4

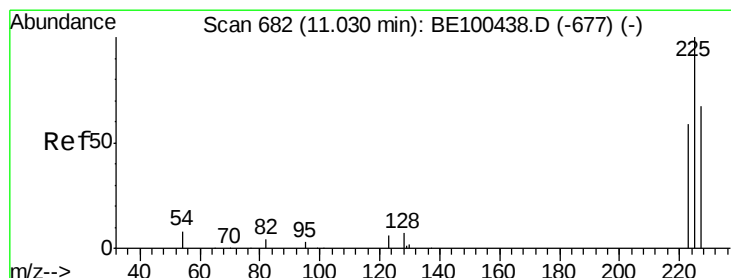
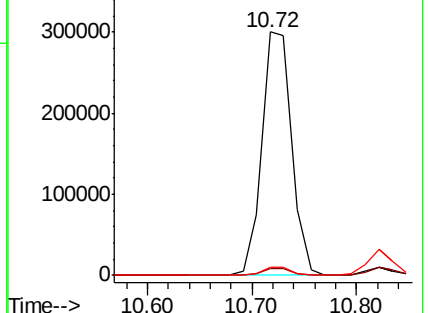
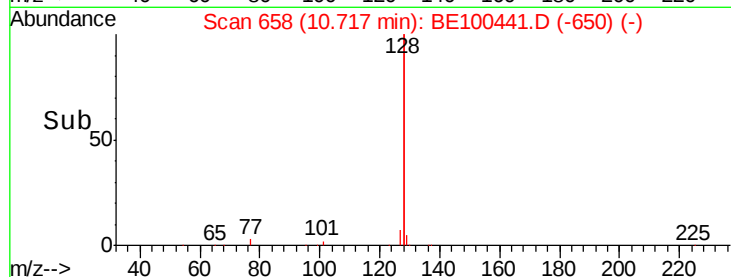
127 3.4 2.7 4.1



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: 3.295 ng

RT: 11.03 min Scan# 682

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

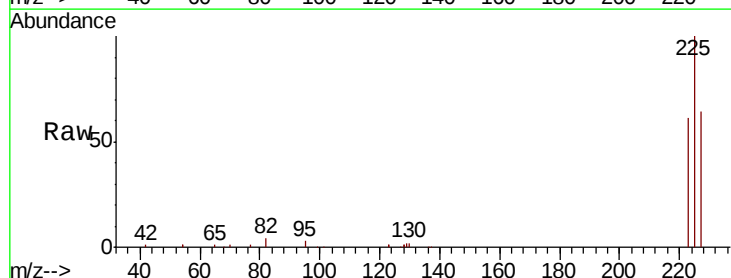
Tgt Ion:225 Resp: 28959

Ion Ratio Lower Upper

225 100

223 62.1 49.8 74.8

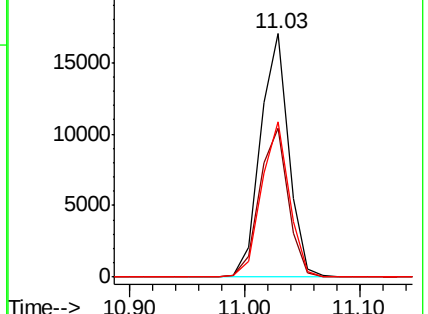
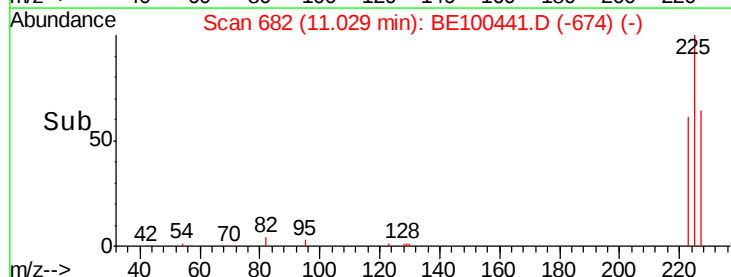
227 63.2 52.3 78.5

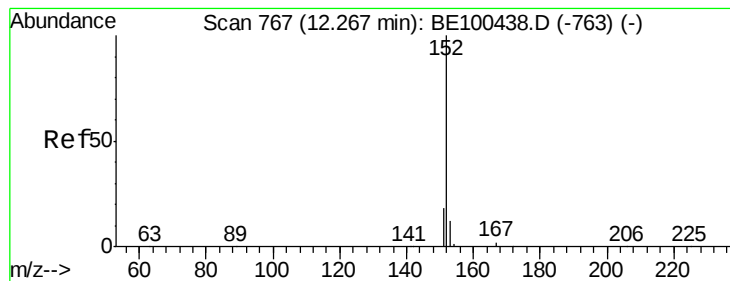


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

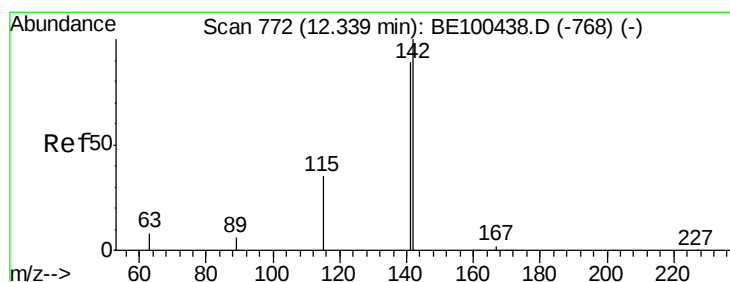
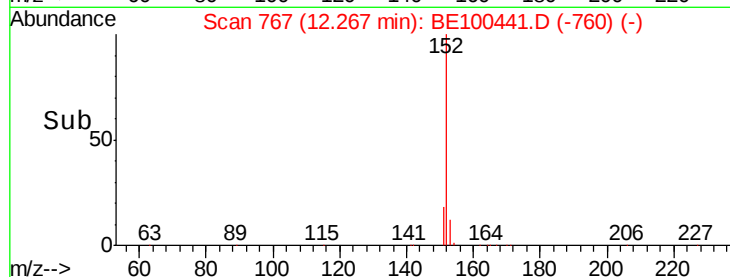
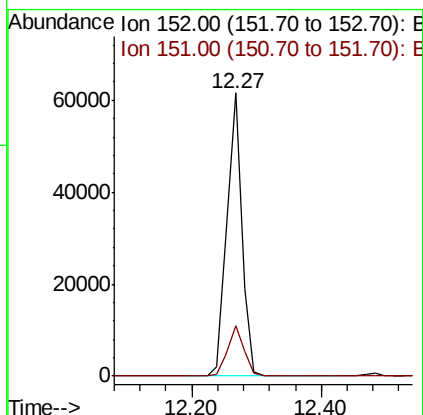
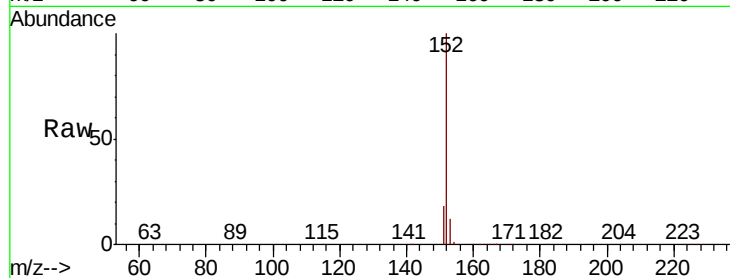




#11
 2-Methylnaphthalene-d10
 Concen: 2.355 ng
 RT: 12.27 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: BE100441.D
 Acq: 16 Jul 2019 11:34

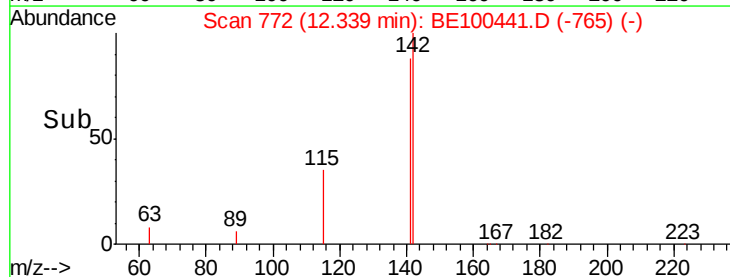
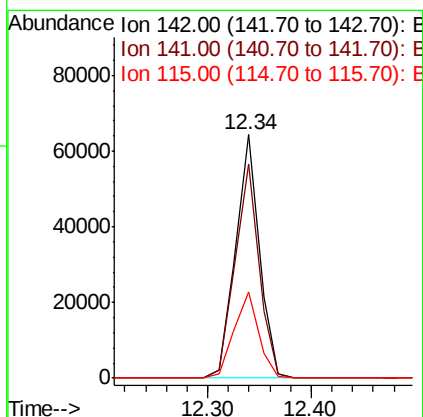
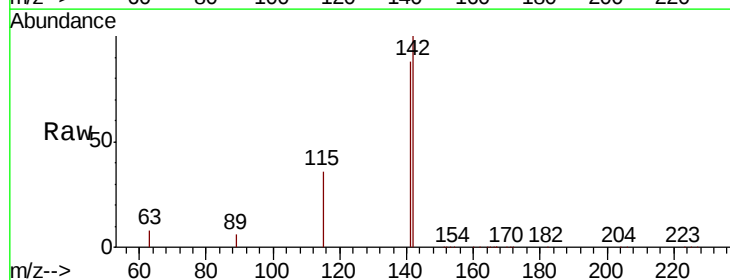
Instrument :
 BNA_E
 ClientSampleId :

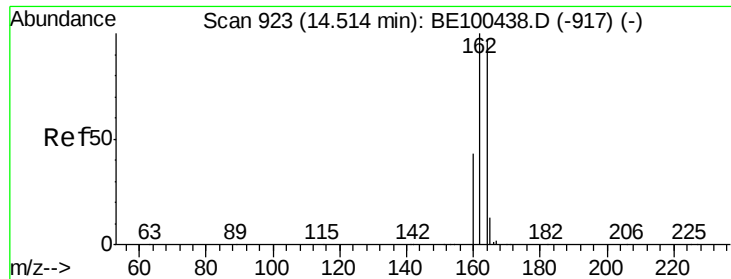
Tot Ion:152 Resp: 98185
 Ion Ratio Lower Upper
 152 100
 151 19.2 16.0 24.0



#12
 2-Methylnaphthalene
 Concen: 3.285 ng
 RT: 12.34 min Scan# 772
 Delta R.T. 0.00 min
 Lab File: BE100441.D
 Acq: 16 Jul 2019 11:34

Tgt Ion:142 Resp: 101800
 Ion Ratio Lower Upper
 142 100
 141 87.8 70.9 106.3
 115 35.5 29.0 43.4

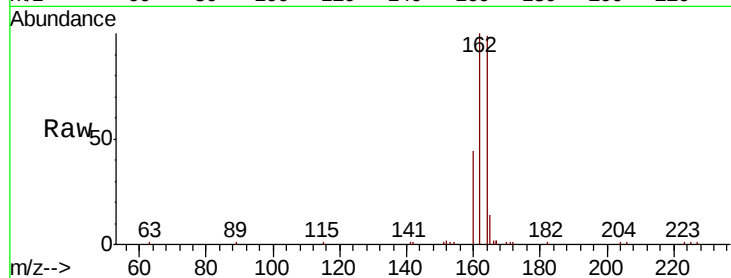




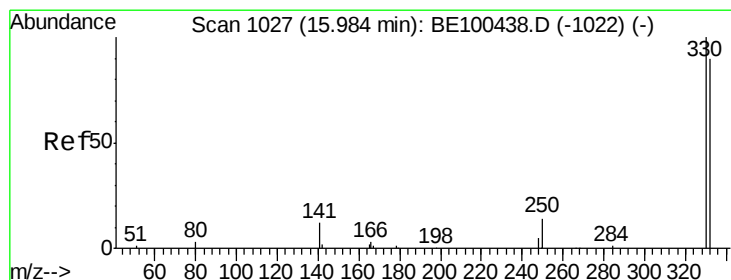
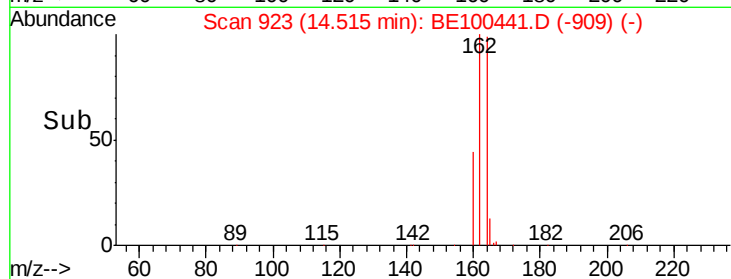
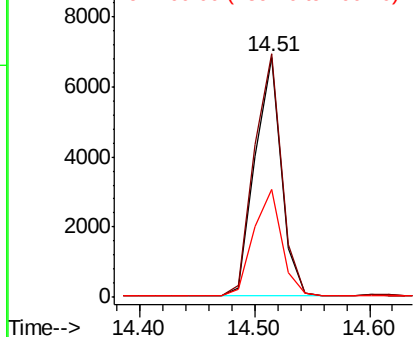
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 10709
Ion Ratio Lower Upper
164 100
162 101.3 82.6 124.0
160 44.7 35.6 53.4

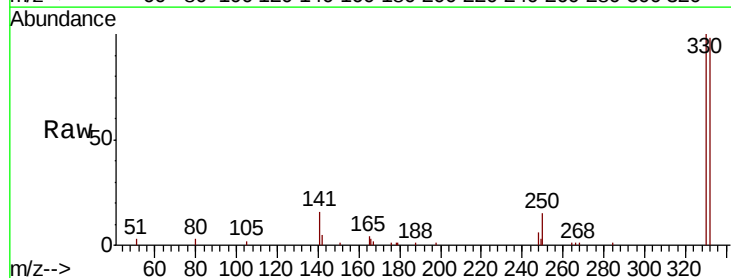


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

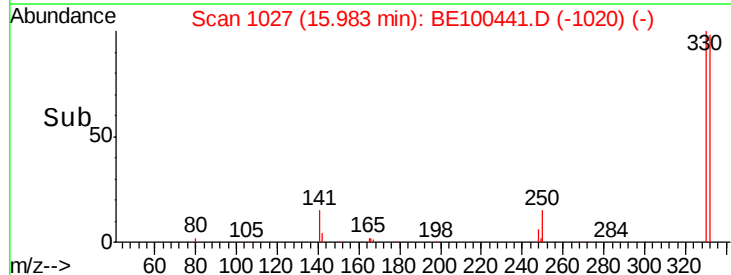
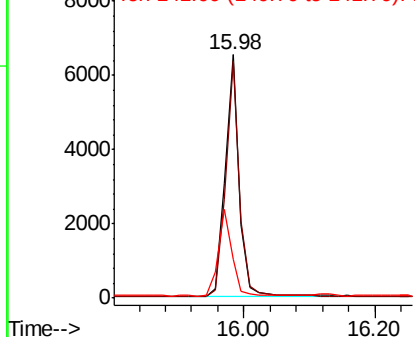


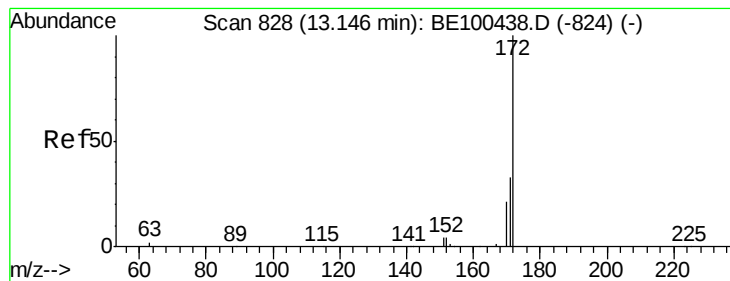
#14
2,4,6-Tribromophenol
Concen: 3.555 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

Tgt Ion:330 Resp: 9847
Ion Ratio Lower Upper
330 100
332 95.7 76.3 114.5
141 34.1 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

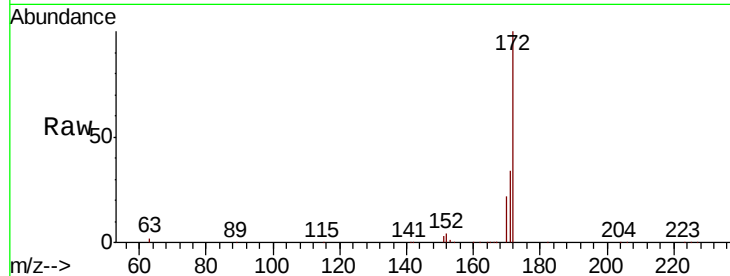




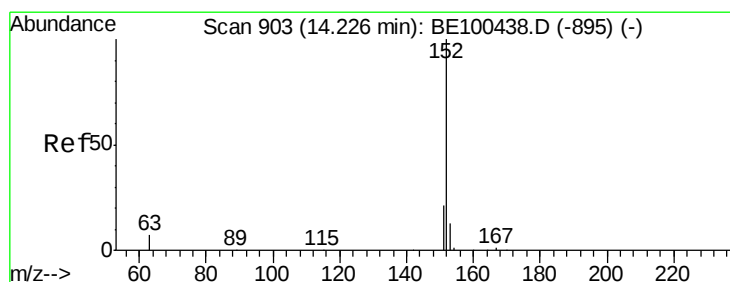
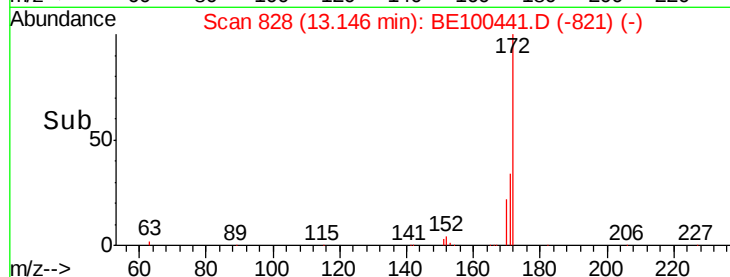
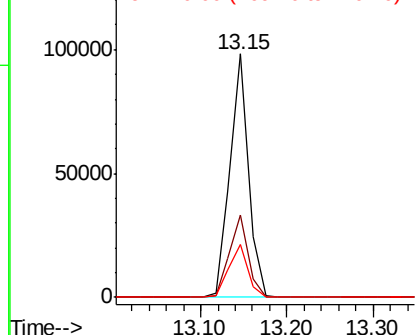
#15
2-Fluorobiphenyl
Concen: 3.063 ng
RT: 13.15 min Scan# 828
Delta R.T. 0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 145403
Ion Ratio Lower Upper
172 100
171 34.1 27.0 40.4
170 21.6 17.4 26.0

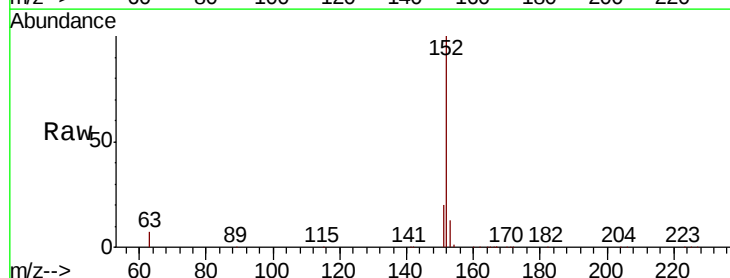


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

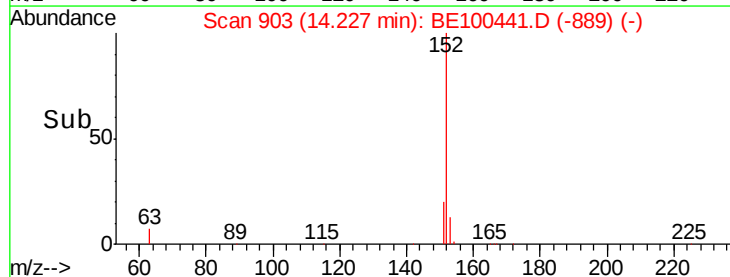
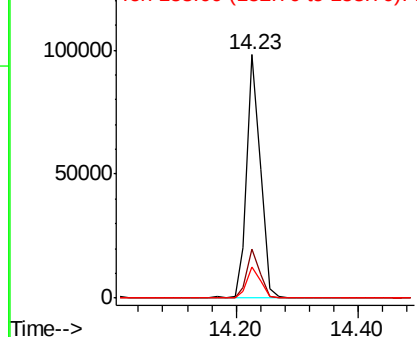


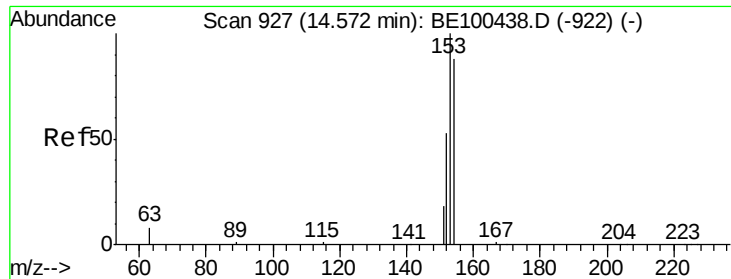
#16
Acenaphthylene
Concen: 3.453 ng
RT: 14.23 min Scan# 903
Delta R.T. 0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

Tgt Ion:152 Resp: 153326
Ion Ratio Lower Upper
152 100
151 19.7 15.8 23.8
153 13.0 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

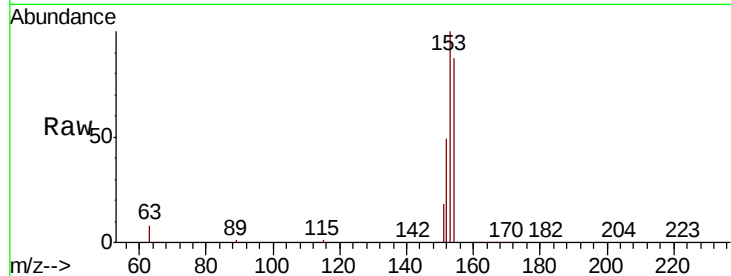




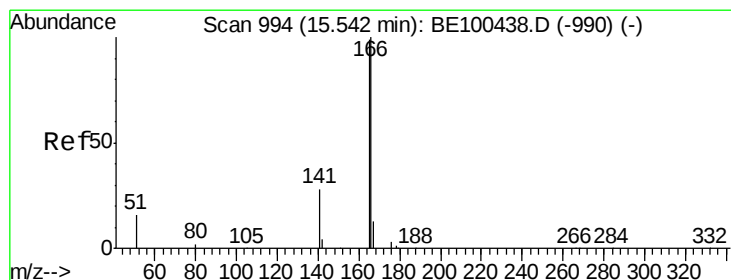
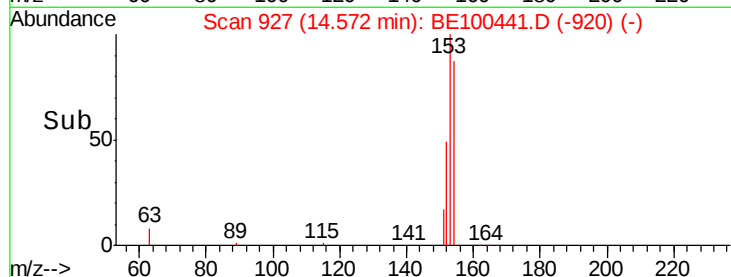
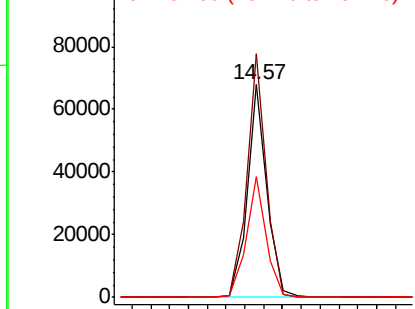
#17
Acenaphthene
Concen: 3.232 ng
RT: 14.57 min Scan# 927
Delta R.T. 0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 97821
Ion Ratio Lower Upper
154 100
153 112.8 91.0 136.4
152 56.9 49.4 74.2

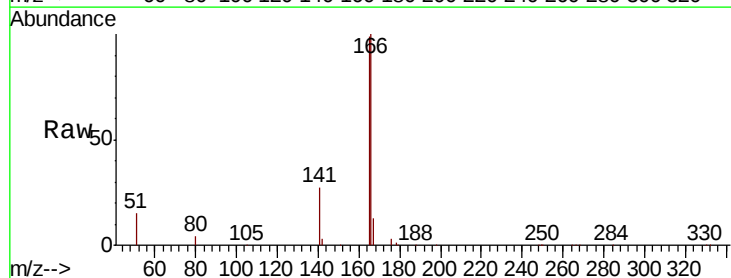


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

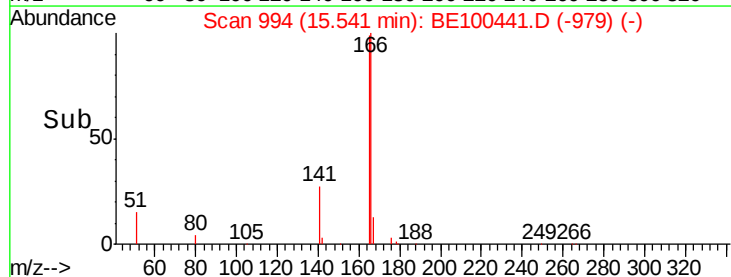
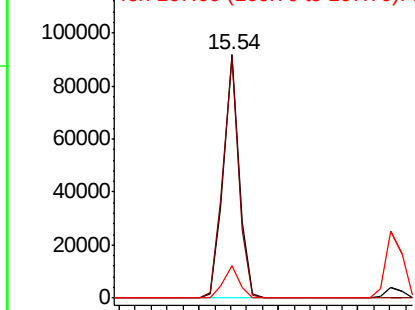


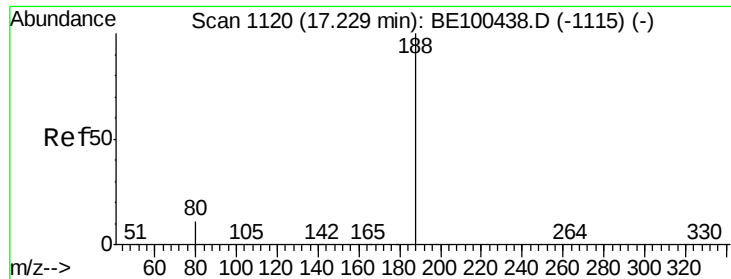
#18
Fluorene
Concen: 3.268 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

Tgt Ion:166 Resp: 126904
Ion Ratio Lower Upper
166 100
165 98.9 79.6 119.4
167 13.4 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: 17.23 min Scan# 1120

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

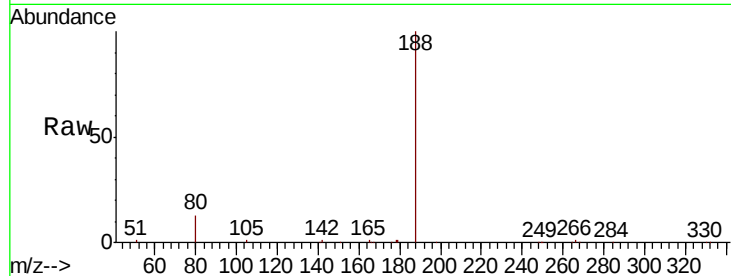
Tot Ion:188 Resp: 24150

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

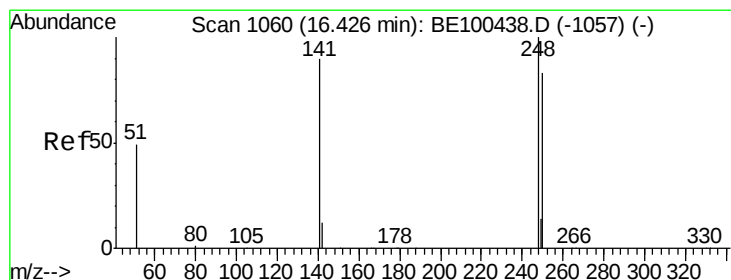
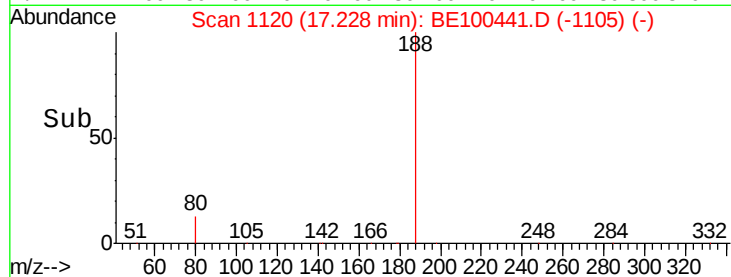
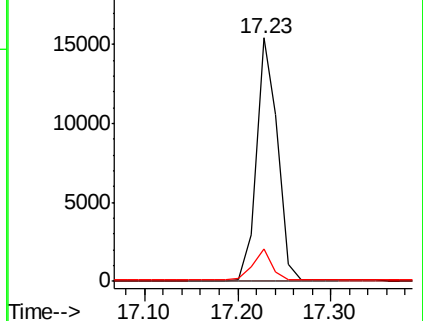
80 13.4 9.2 13.8



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



#20

4-Bromophenyl-phenylether

Concen: 3.585 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.01 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

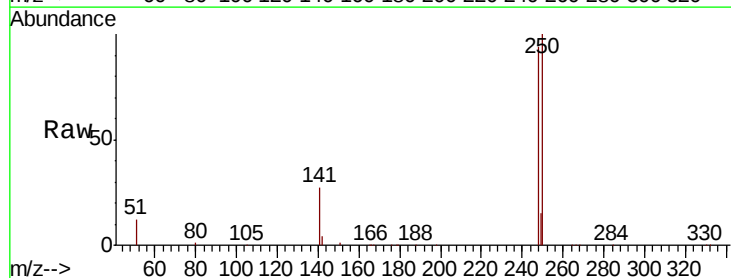
Tgt Ion:248 Resp: 44292

Ion Ratio Lower Upper

248 100

250 106.5 67.1 100.7#

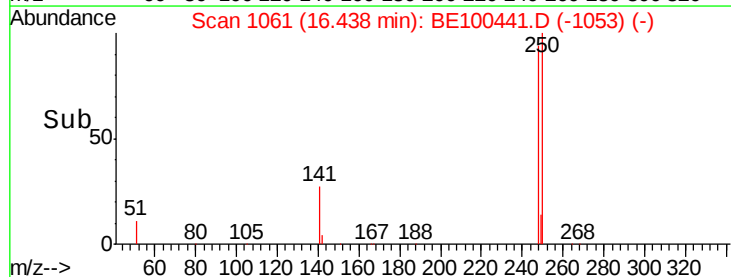
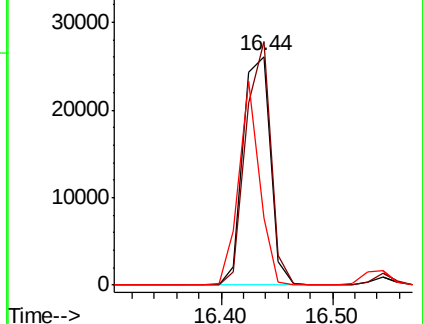
141 29.1 72.2 108.2#

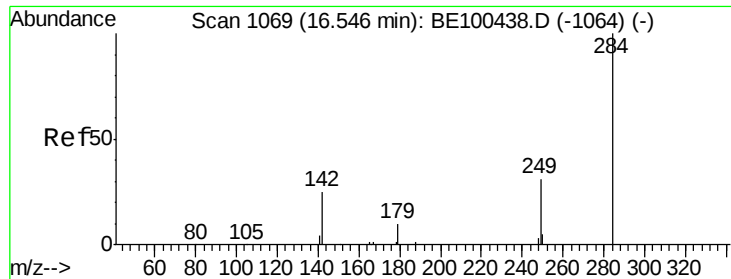


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 3.513 ng

RT: 16.54 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

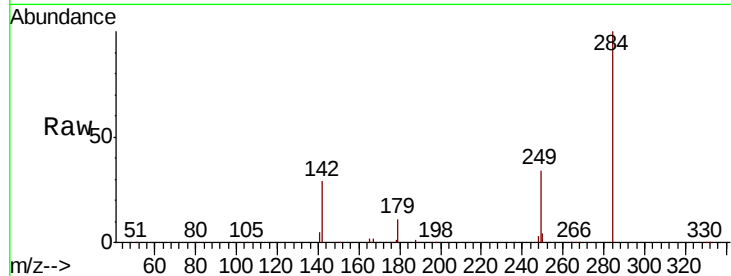
Tot Ion:284 Resp: 49698

Ion Ratio Lower Upper

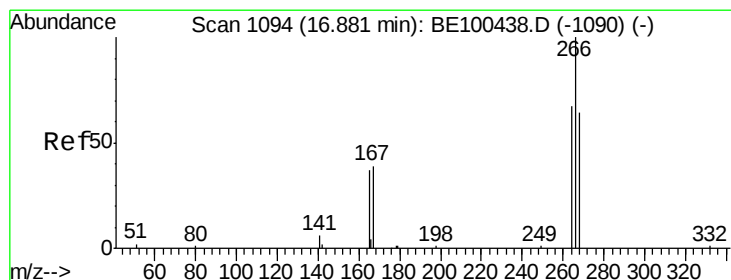
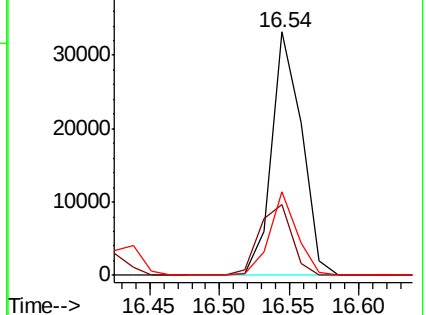
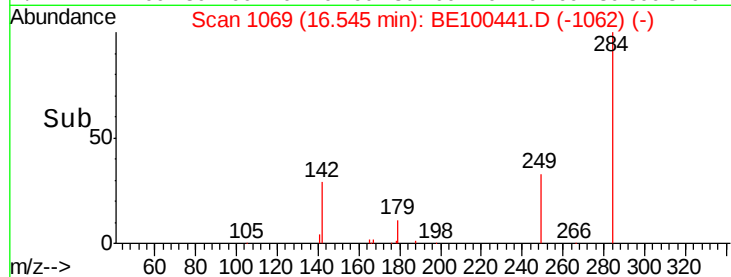
284 100

142 31.6 25.6 38.4

249 31.2 25.1 37.7



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



#22

Pentachlorophenol

Concen: 3.896 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

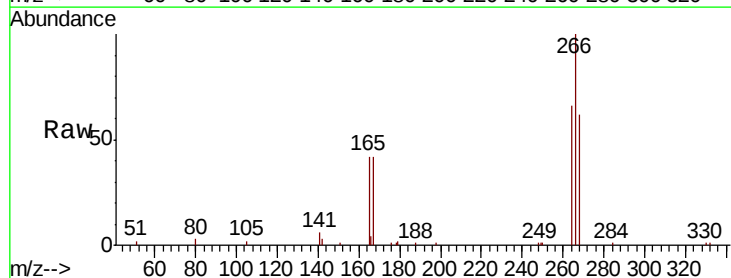
Tgt Ion:266 Resp: 10848

Ion Ratio Lower Upper

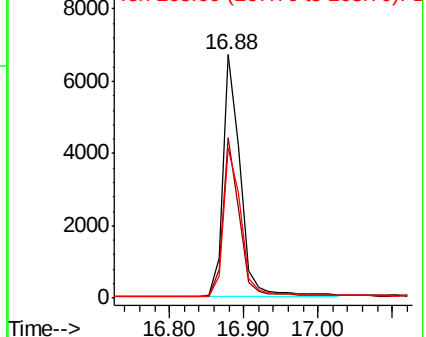
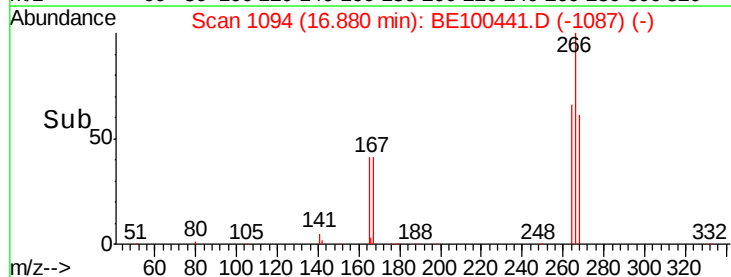
266 100

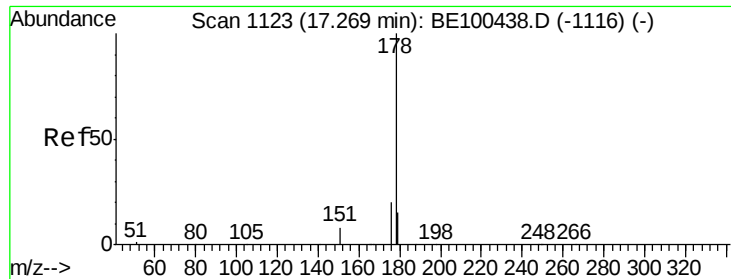
264 66.1 56.2 84.2

268 61.5 54.9 82.3



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: 3.405 ng

RT: 17.27 min Scan# 1123

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

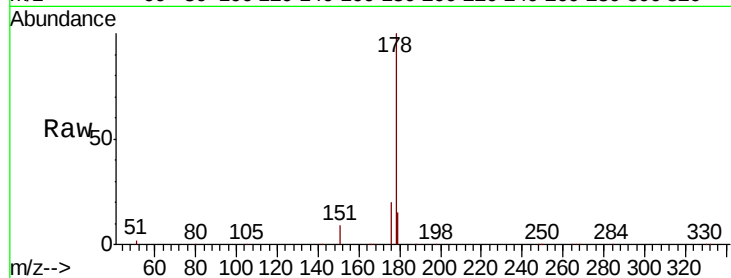
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 213623

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.3	12.4	18.6

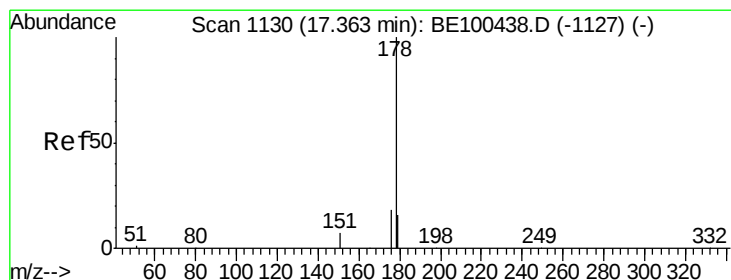
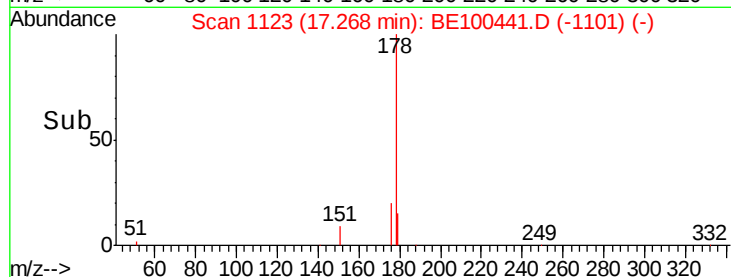
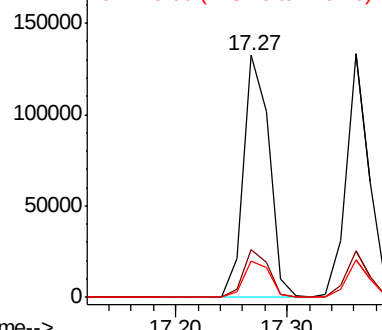


Abundance

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: 3.593 ng

RT: 17.36 min Scan# 1130

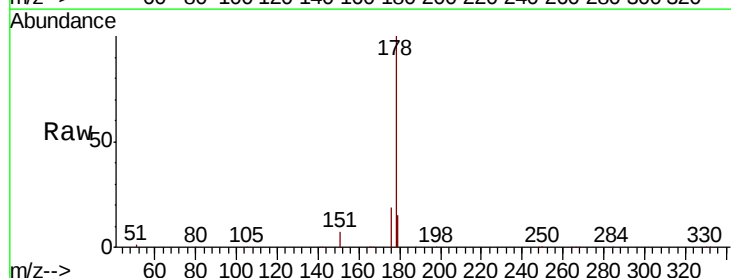
Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Tgt Ion:178 Resp: 191095

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	15.3	12.3	18.5

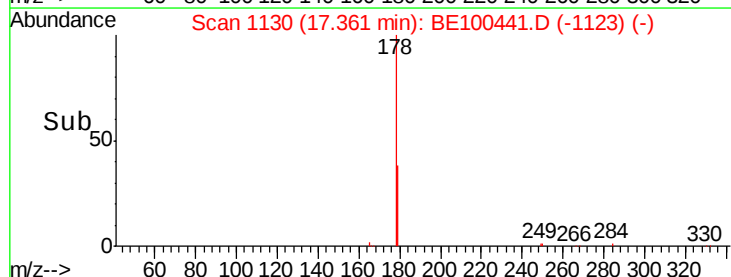
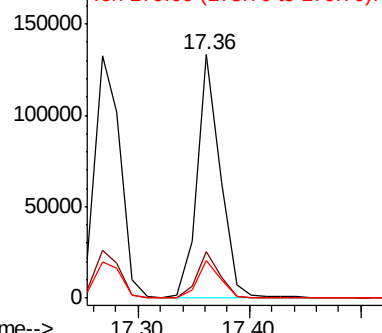


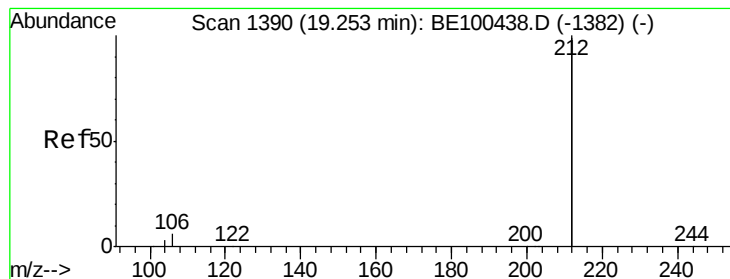
Abundance

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: 2.445 ng

RT: 19.25 min Scan# 1390

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

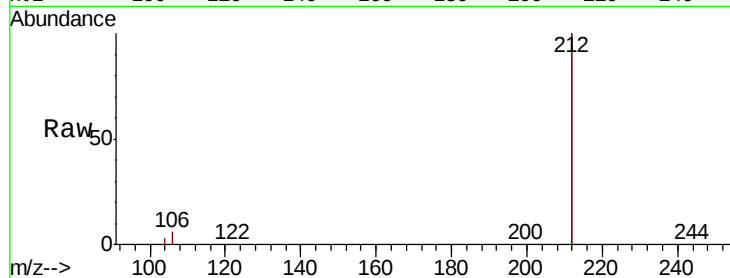
Tot Ion:212 Resp: 1044004

Ion Ratio Lower Upper

212 100

106 3.1 2.6 3.8

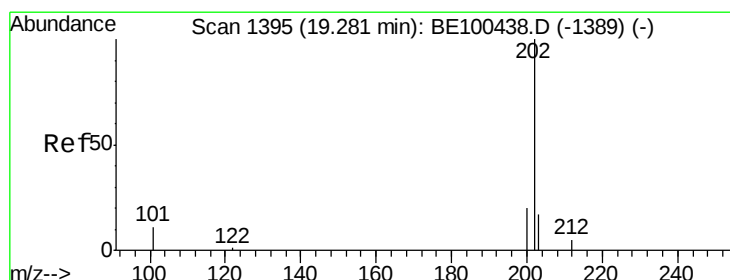
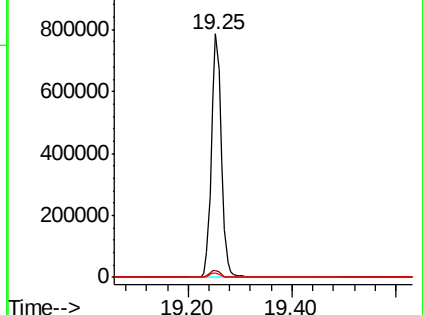
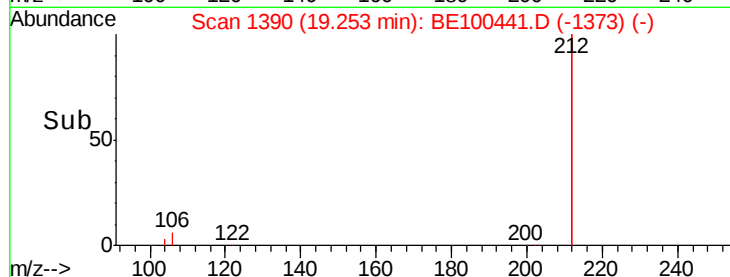
104 1.7 1.4 2.2



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: 3.522 ng

RT: 19.28 min Scan# 1395

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

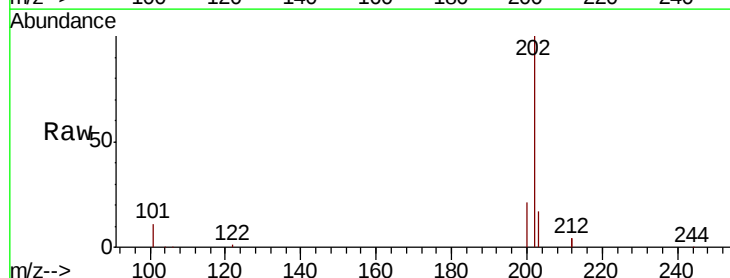
Tgt Ion:202 Resp: 285967

Ion Ratio Lower Upper

202 100

101 10.9 8.9 13.3

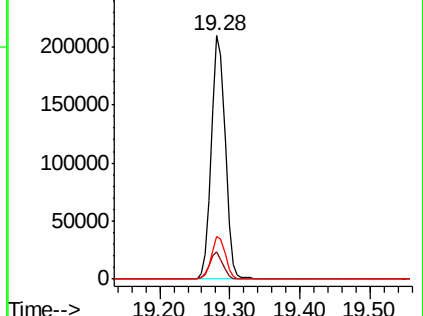
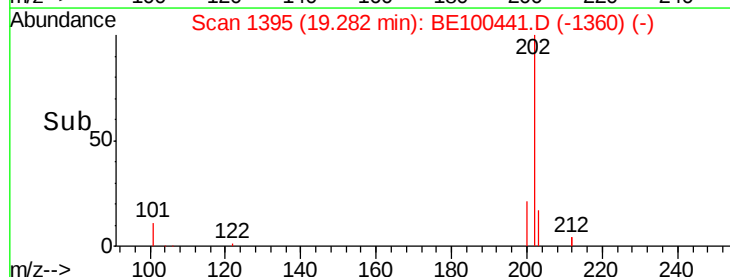
203 17.5 13.8 20.6

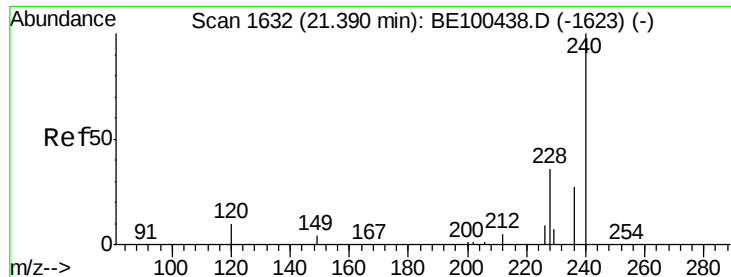


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

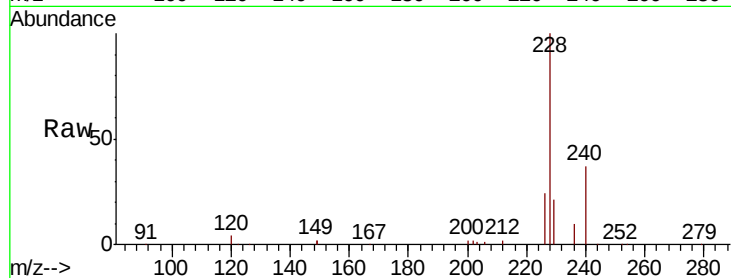
Tot Ion:240 Resp: 30954

Ion Ratio Lower Upper

240 100

120 9.8 8.8 13.2

236 27.6 22.0 33.0

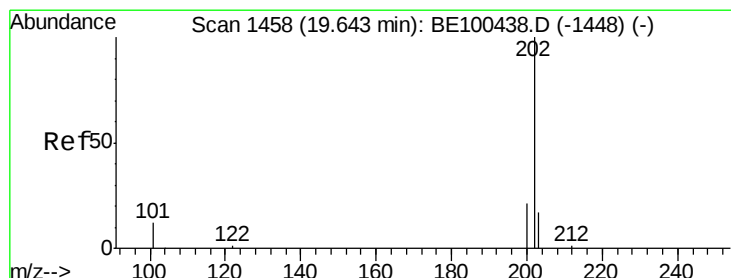
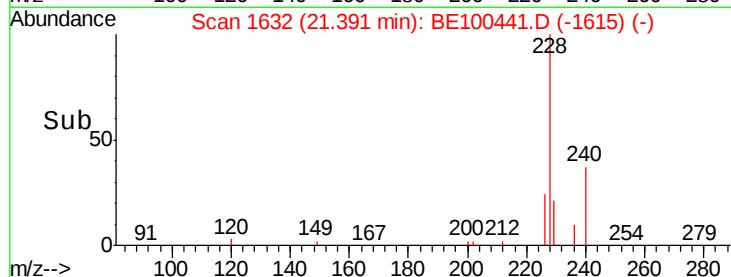
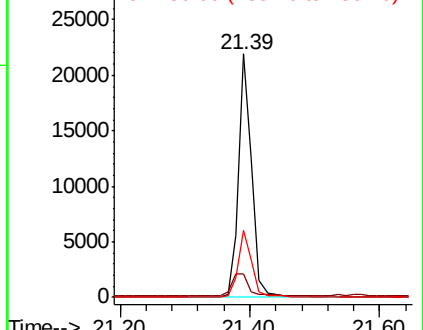


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 3.099 ng

RT: 19.64 min Scan# 1458

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

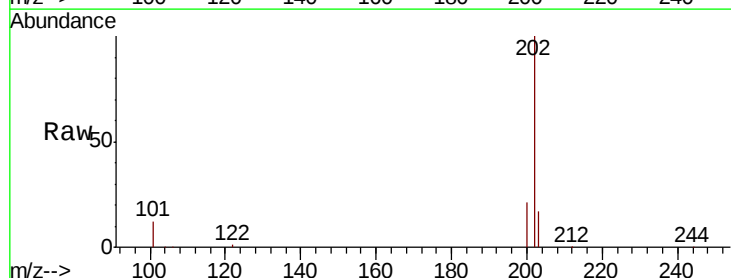
Tgt Ion:202 Resp: 280535

Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 17.5 13.8 20.8

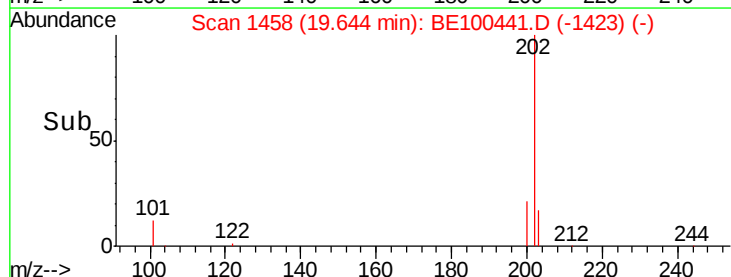
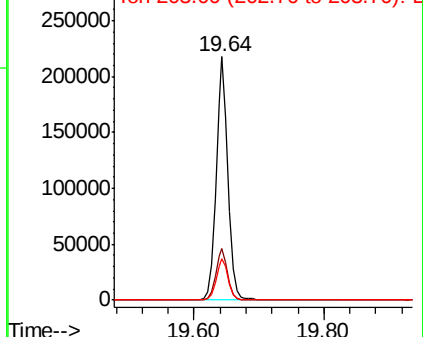


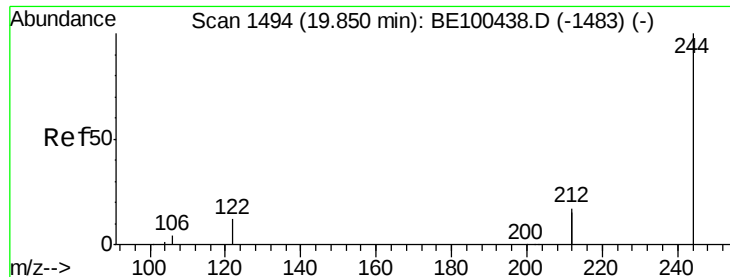
Abundance

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: 3.082 ng

RT: 19.85 min Scan# 1494

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampled :

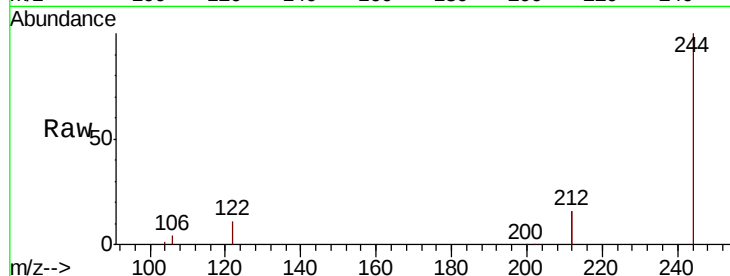
Tot Ion:244 Resp: 231766

Ion Ratio Lower Upper

244 100

212 32.5 26.3 39.5

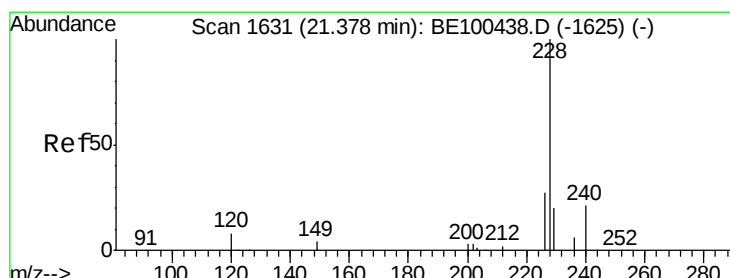
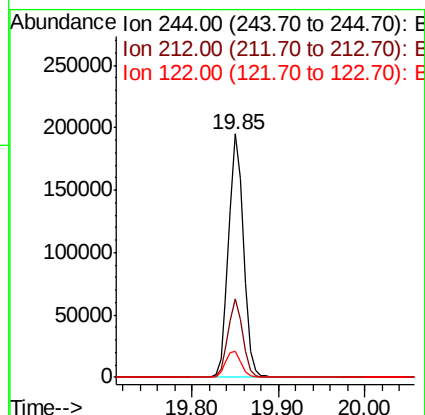
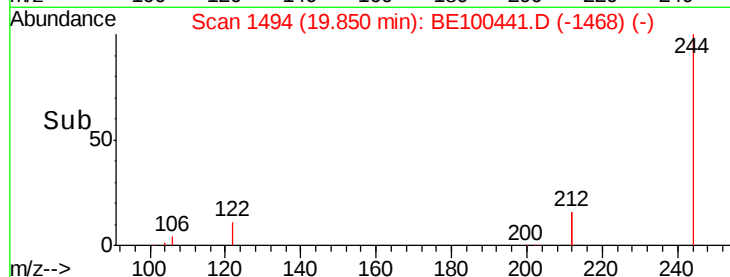
122 10.7 9.4 14.2



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: 3.508 ng

RT: 21.38 min Scan# 1631

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

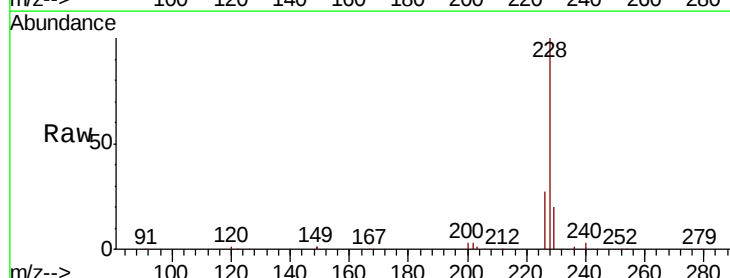
Tgt Ion:228 Resp: 297833

Ion Ratio Lower Upper

228 100

226 27.0 21.6 32.4

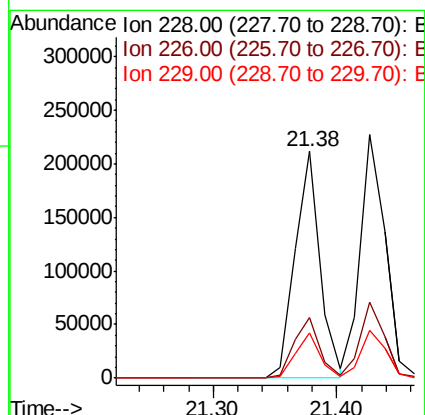
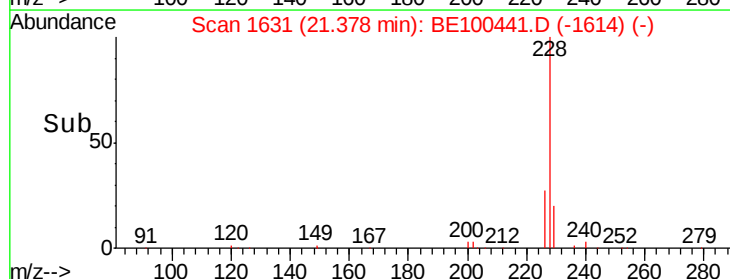
229 20.1 15.8 23.8

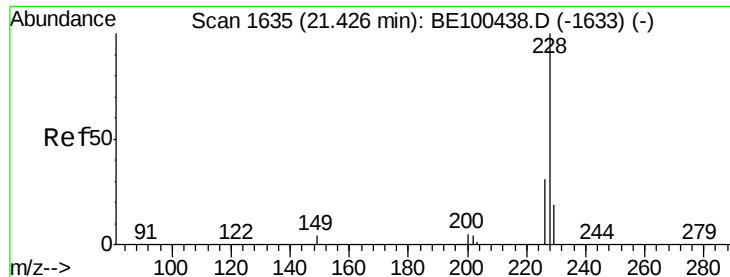


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 3.195 ng

RT: 21.43 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

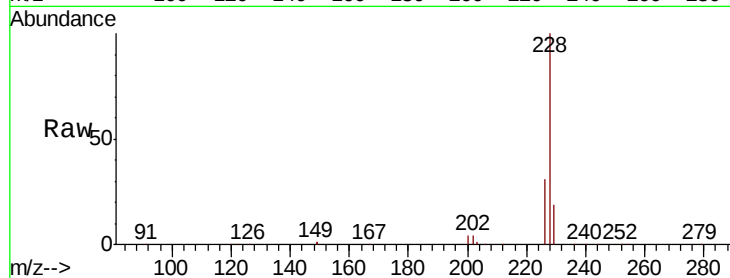
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 318557

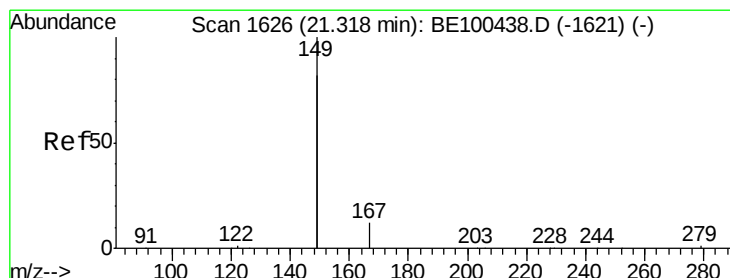
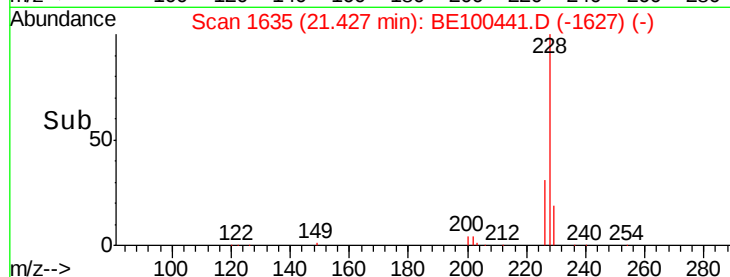
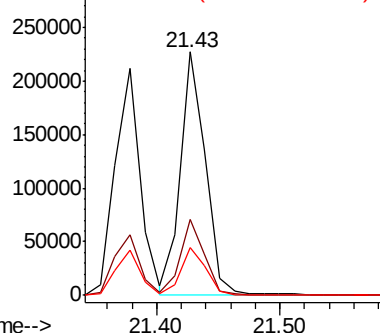
Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.8	37.2
229	19.4	15.8	23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 3.978 ng

RT: 21.32 min Scan# 1626

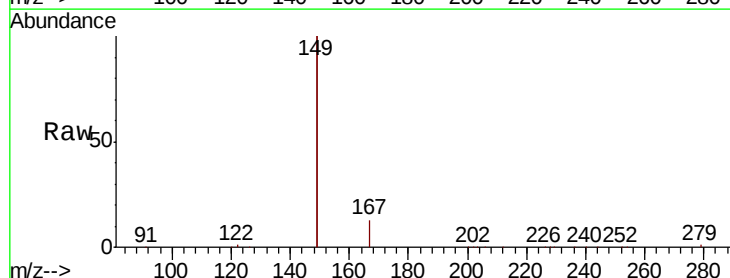
Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Tgt Ion:149 Resp: 258087

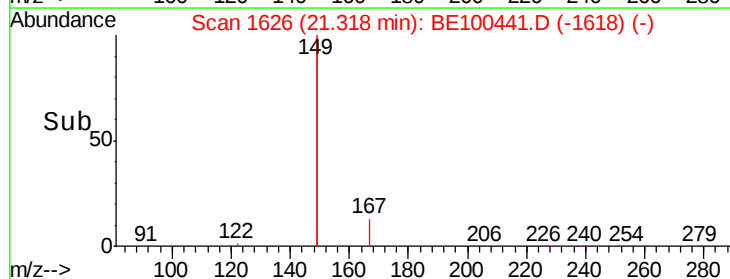
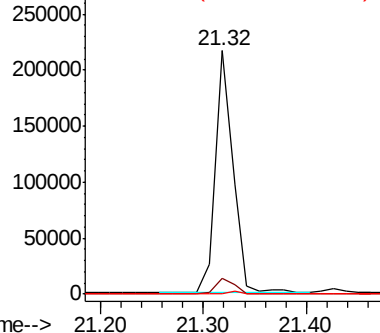
Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.0	7.6
279	0.9	1.2	1.8#

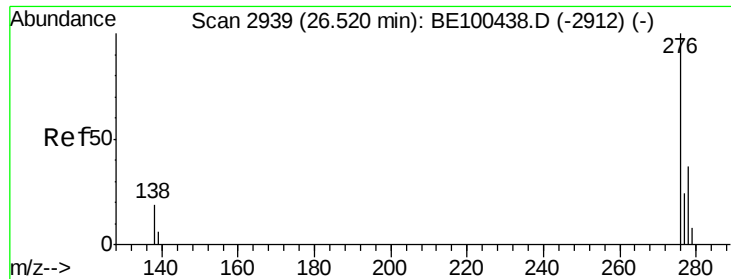


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

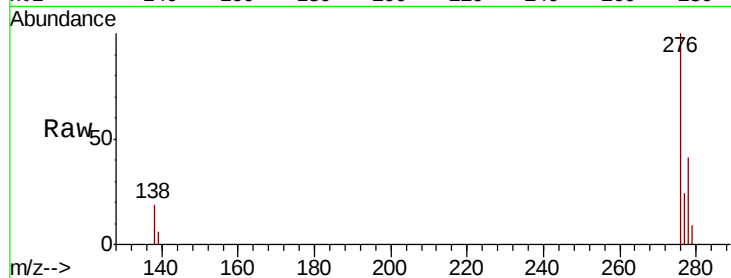




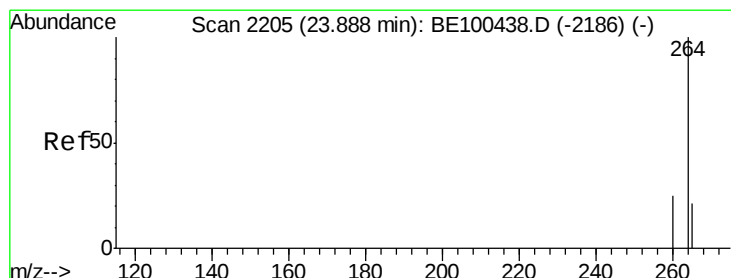
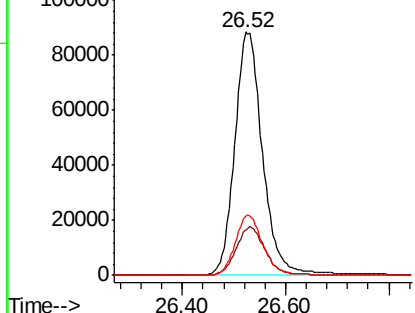
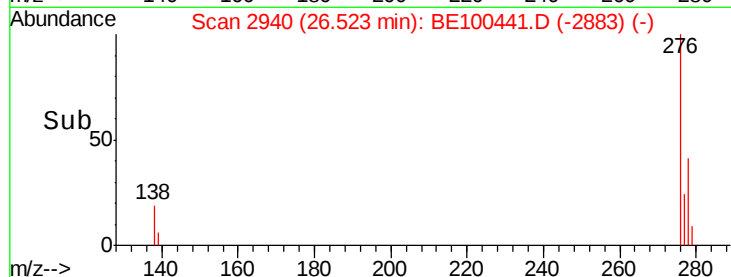
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 3.642 ng
 RT: 26.52 min Scan# 2940
 Delta R.T. 0.00 min
 Lab File: BE100441.D
 Acq: 16 Jul 2019 11:34

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 328711
 Ion Ratio Lower Upper
 276 100
 138 20.8 17.0 25.6
 277 24.9 19.8 29.6

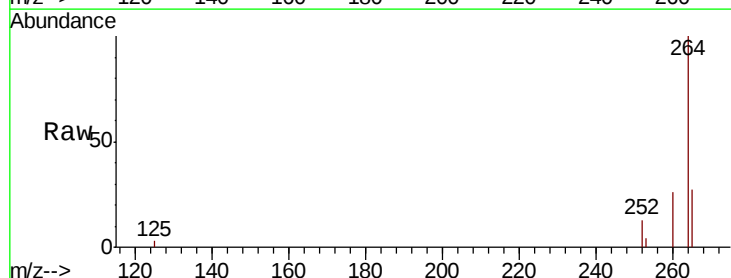


Abundance Ion 276.00 (275.70 to 276.70): E
 120000
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

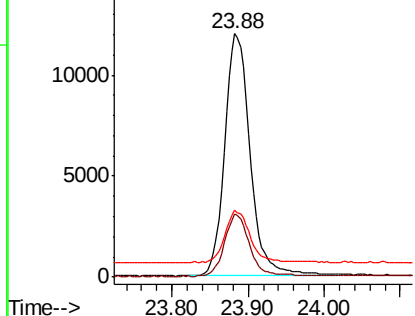
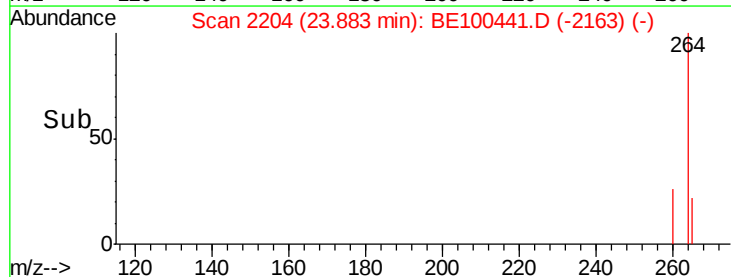


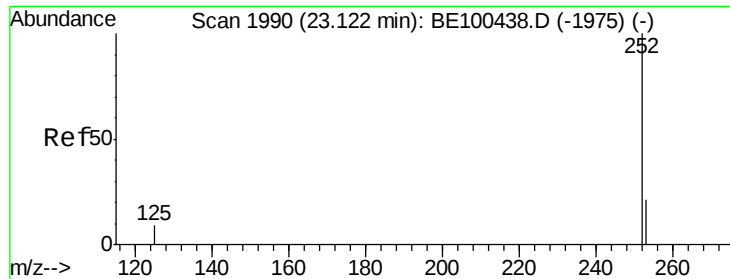
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.88 min Scan# 2204
 Delta R.T. -0.01 min
 Lab File: BE100441.D
 Acq: 16 Jul 2019 11:34

Tgt Ion:264 Resp: 28055
 Ion Ratio Lower Upper
 264 100
 260 25.8 20.0 30.0
 265 27.3 22.2 33.4



Abundance Ion 264.00 (263.70 to 264.70): E
 15000
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 3.325 ng

RT: 23.12 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :

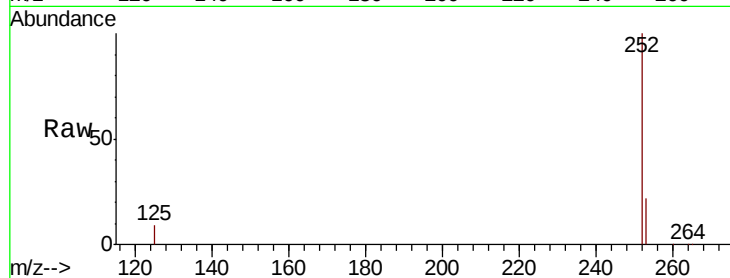
Tot Ion:252 Resp: 292917

Ion Ratio Lower Upper

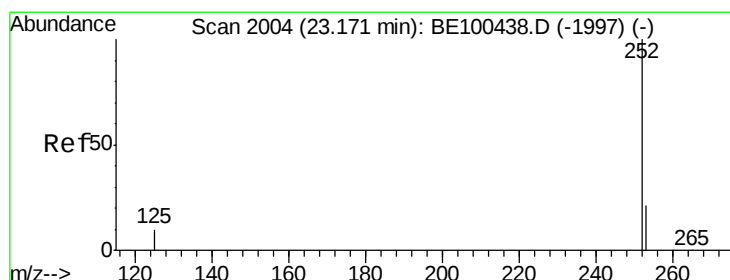
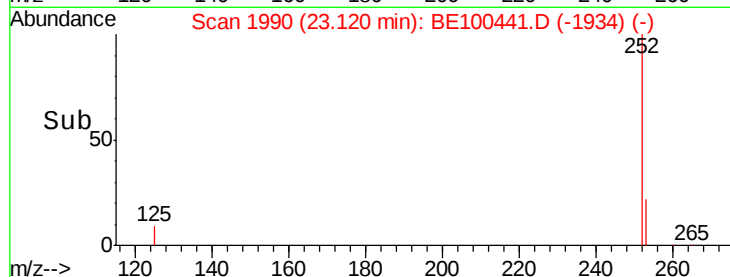
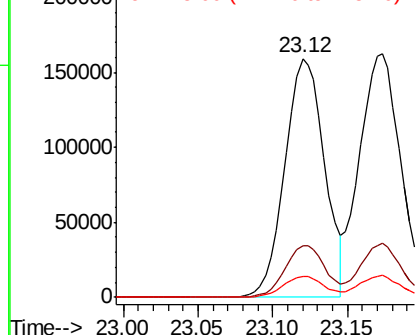
252 100

253 21.8 17.5 26.3

125 8.9 8.0 12.0



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: 3.493 ng

RT: 23.17 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

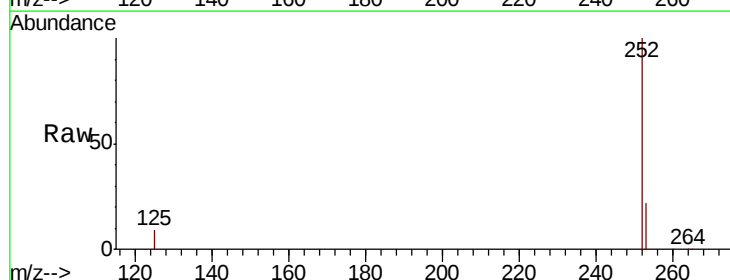
Tgt Ion:252 Resp: 322048

Ion Ratio Lower Upper

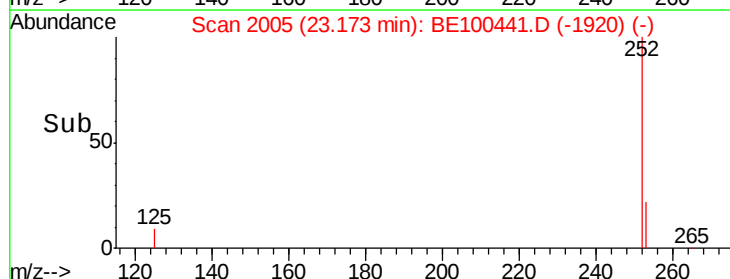
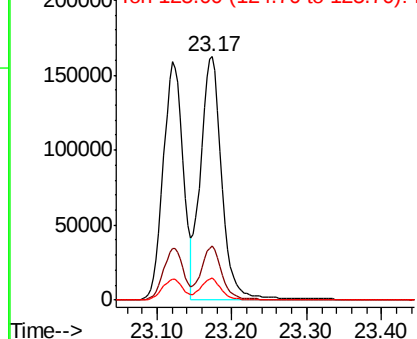
252 100

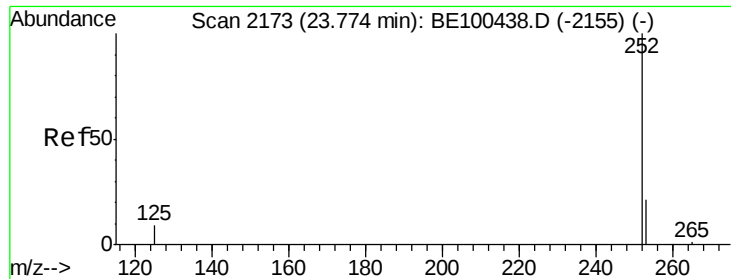
253 22.2 17.7 26.5

125 8.9 8.3 12.5



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

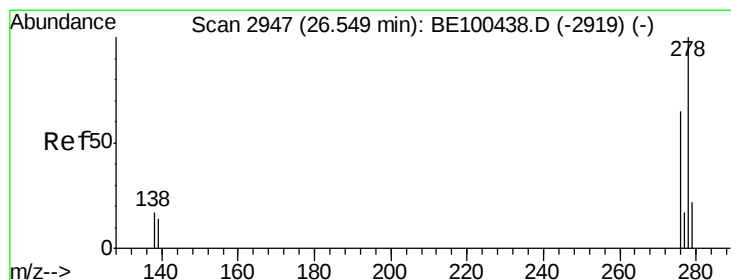
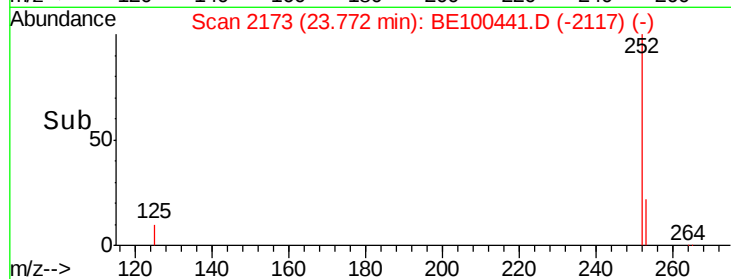
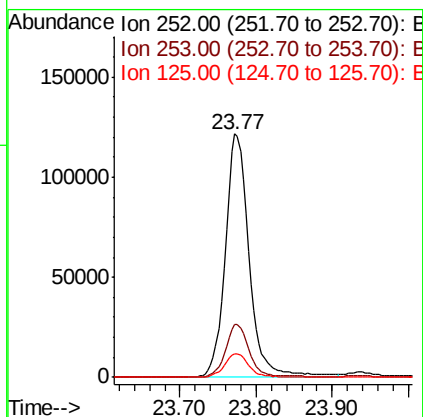
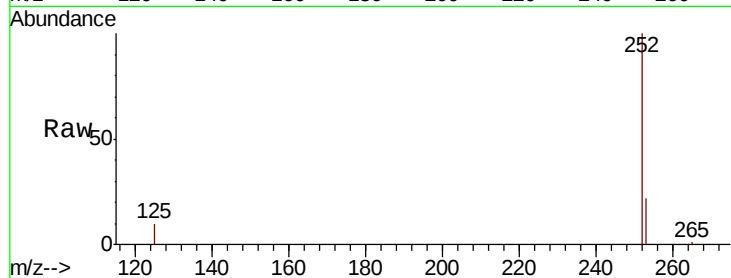




#37
Benzo(a)pyrene
Concen: 3.566 ng
RT: 23.77 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

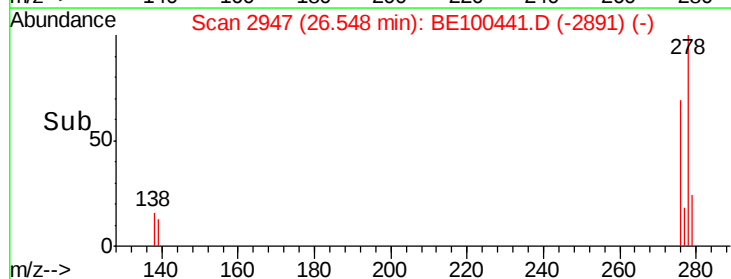
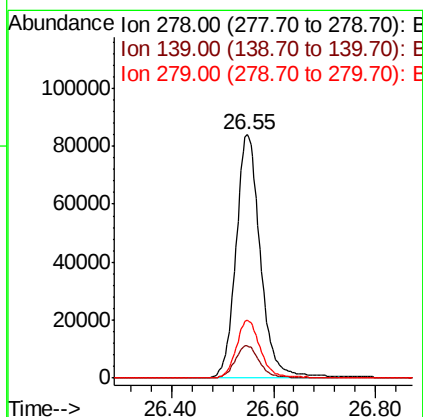
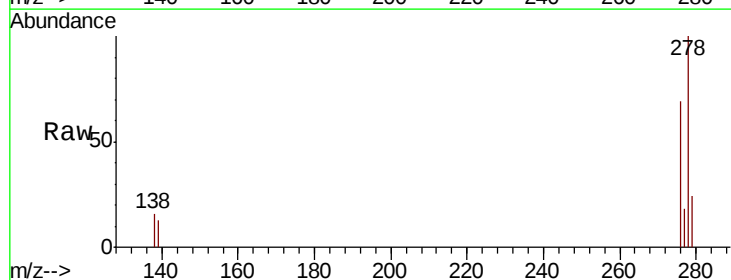
Instrument :
BNA_E
ClientSampleId :

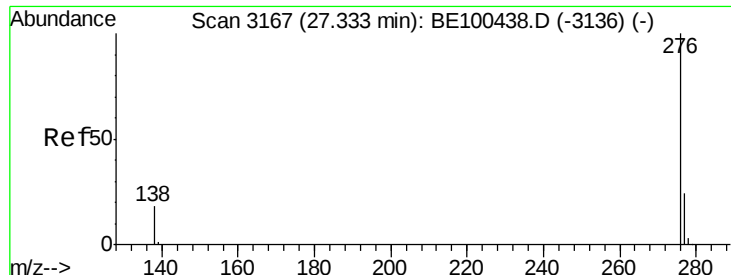
Tot Ion:252 Resp: 262934
Ion Ratio Lower Upper
252 100
253 21.7 18.0 27.0
125 9.9 9.0 13.6



#38
Dibenzo(a,h)anthracene
Concen: 3.621 ng
RT: 26.55 min Scan# 2947
Delta R.T. -0.00 min
Lab File: BE100441.D
Acq: 16 Jul 2019 11:34

Tgt Ion:278 Resp: 278765
Ion Ratio Lower Upper
278 100
139 13.3 12.2 18.2
279 23.8 18.6 27.8





#39

Benzo(a,h,i)perylene

Concen: 3.423 ng

RT: 27.33 min Scan# 3166

Delta R.T. -0.00 min

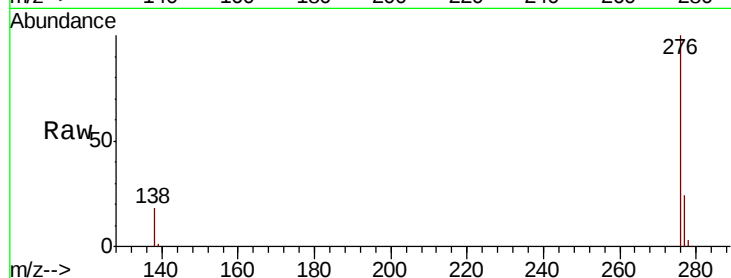
Lab File: BE100441.D

Acq: 16 Jul 2019 11:34

Instrument :

BNA_E

ClientSampleId :



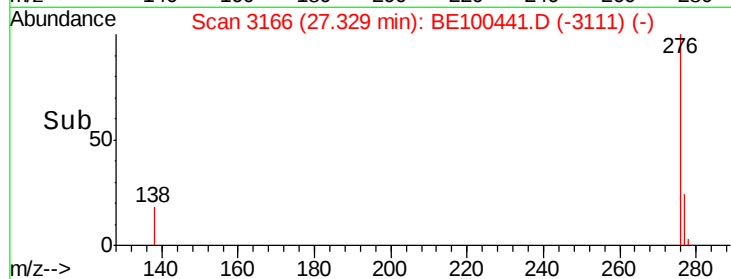
Tot Ion: 276 Resp: 273667

Ion Ratio Lower Upper

276 100

277 23.8 19.6 29.4

138 18.2 15.1 22.7



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

