

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100878.D
 Acq On : 13 Dec 2019 9:35
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 13 10:49:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	5018	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	22684	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	12330	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	27376	0.40	ng	0.00
27) Chrysene-d12	21.31	240	24031	0.40	ng	0.00
34) Perylene-d12	23.74	264	27750	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	5680	0.48	ng	0.00
5) Phenol-d6	6.93	99	8459	0.47	ng	0.00
8) Nitrobenzene-d5	8.90	82	6127	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	14868	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	842	0.61	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	21159	0.43	ng	0.00
25) Fluoranthene-d10	19.15	212	124790	0.39	ng	0.00
29) Terphenyl-d14	19.76	244	26468	0.46	ng	0.00

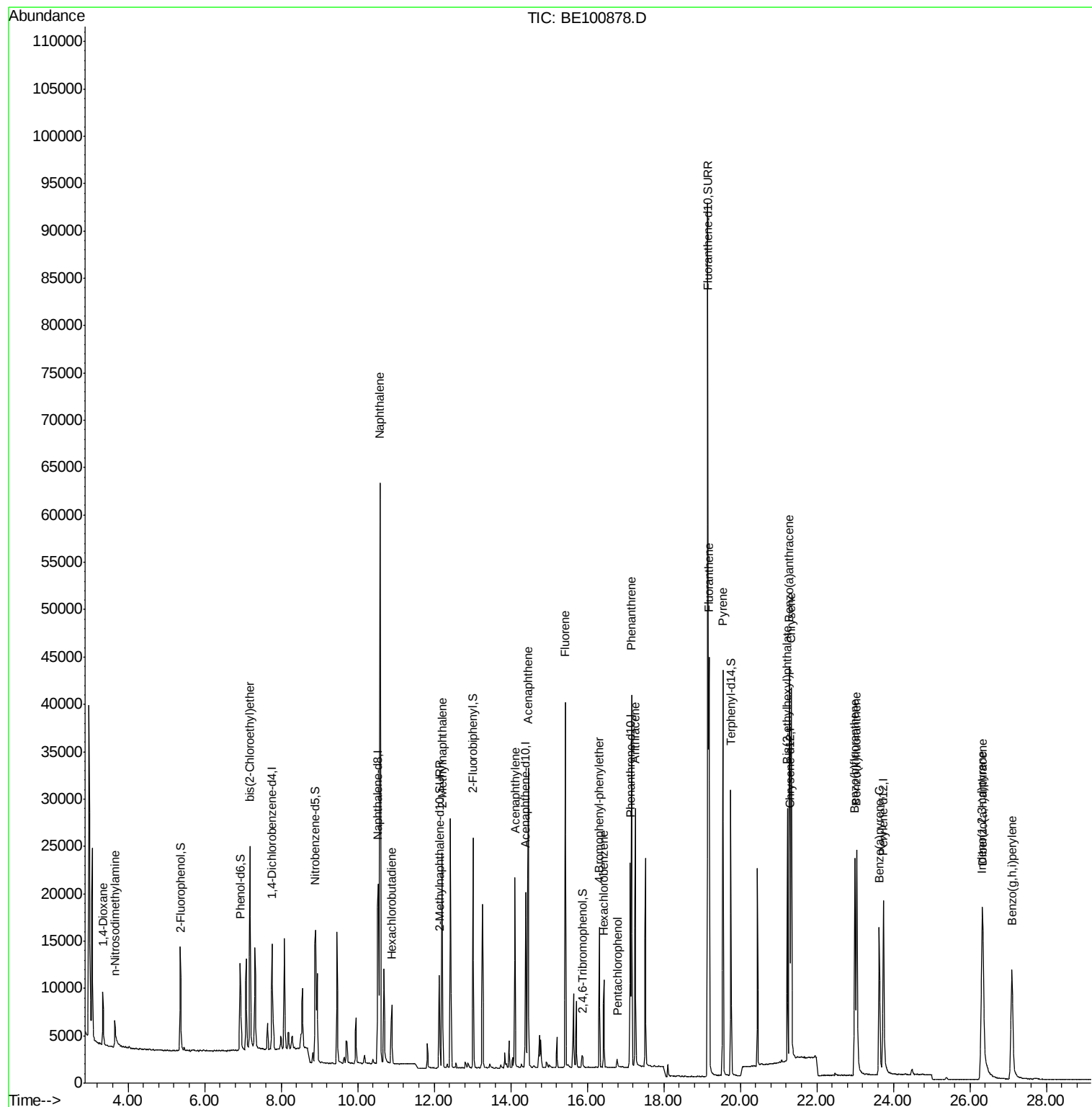
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	4364	0.477	ng	100
3) n-Nitrosodimethylamine	3.65	42	3430	0.461	ng	98
6) bis(2-Chloroethyl)ether	7.18	93	8003	0.461	ng	100
9) Naphthalene	10.58	128	111241	0.461	ng	100
10) Hexachlorobutadiene	10.89	225	4221	0.449	ng	100
12) 2-Methylnaphthalene	12.21	142	17549	0.466	ng	100
16) Acenaphthylene	14.11	152	22707	0.445	ng	100
17) Acenaphthene	14.46	154	16356	0.465	ng	99
18) Fluorene	15.42	166	20663	0.456	ng	100
20) 4-Bromophenyl-phenylether	16.32	248	6044	0.450	ng	100
21) Hexachlorobenzene	16.44	284	7015	0.481	ng	100
22) Pentachlorophenol	16.79	266	617	0.611	ng	100
23) Phenanthrene	17.16	178	38125	0.460	ng	100
24) Anthracene	17.25	178	29415	0.424	ng	100
26) Fluoranthene	19.18	202	40019	0.404	ng	100
28) Pyrene	19.55	202	38858	0.498	ng	100
30) Benzo(a)anthracene	21.28	228	32042	0.452	ng	100
31) Chrysene	21.33	228	40675	0.489	ng	100
32) Bis(2-ethylhexyl)phthalate	21.23	149	27931	0.559	ng	100
33) Indeno(1,2,3-cd)pyrene	26.31	276	34122	0.471	ng	99
35) Benzo(b)fluoranthene	22.99	252	32143	0.423	ng	100
36) Benzo(k)fluoranthene	23.04	252	38788	0.455	ng	100
37) Benzo(a)pyrene	23.63	252	26990	0.410	ng	100
38) Dibenzo(a,h)anthracene	26.34	278	27634	0.422	ng	100
39) Benzo(g,h,i)perylene	27.10	276	30411	0.435	ng	100

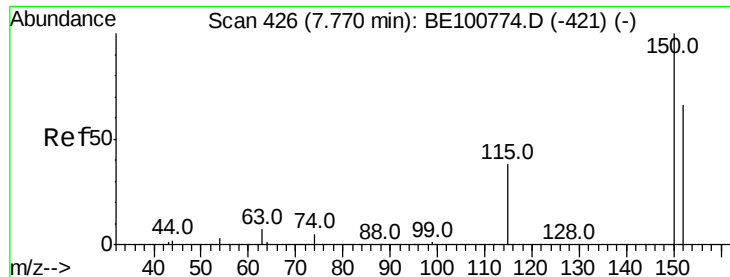
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

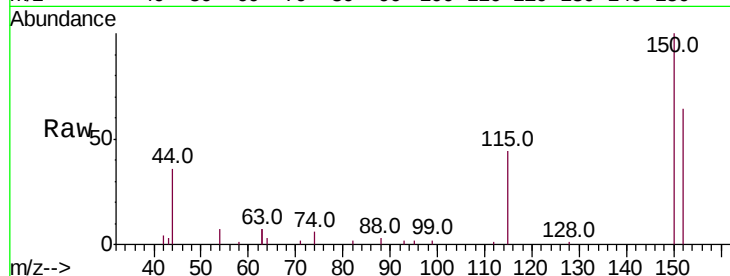
Tot Ion:152 Resp: 5018

Ion Ratio Lower Upper

152 100

150 156.9 125.5 188.3

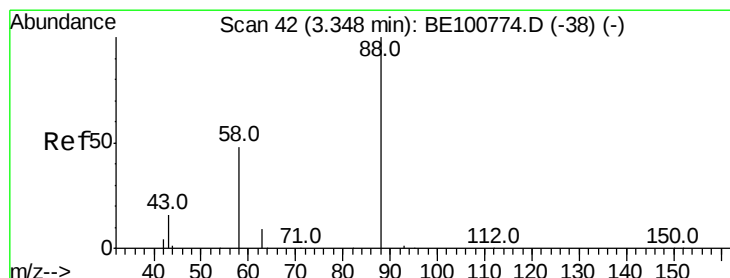
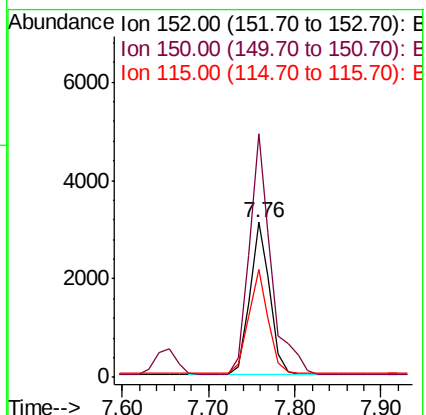
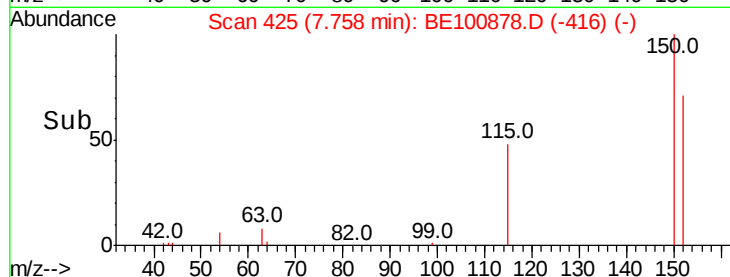
115 69.6 55.7 83.5



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: 0.477 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

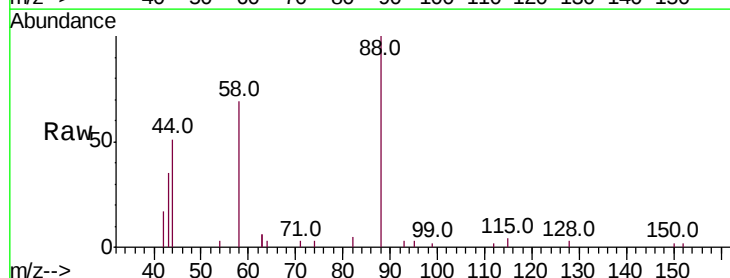
Tgt Ion: 88 Resp: 4364

Ion Ratio Lower Upper

88 100

58 65.1 52.3 78.5

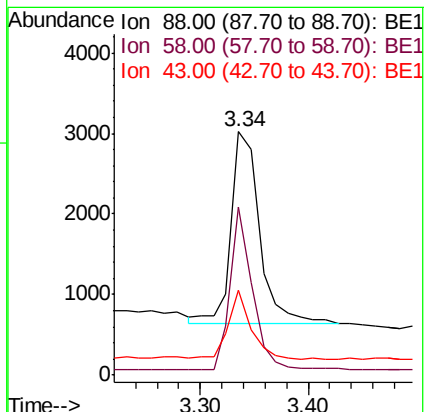
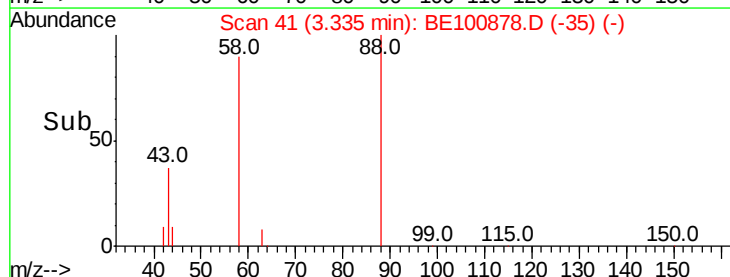
43 29.7 23.5 35.3

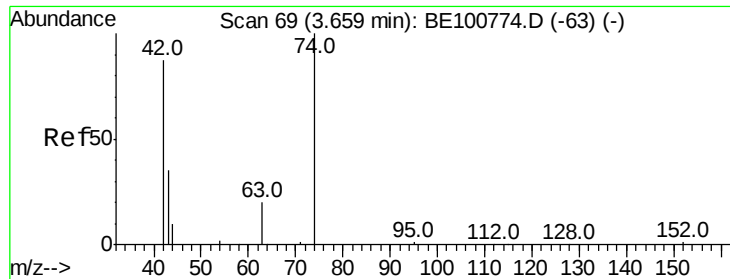


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.461 ng

RT: 3.65 min Scan# 68

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

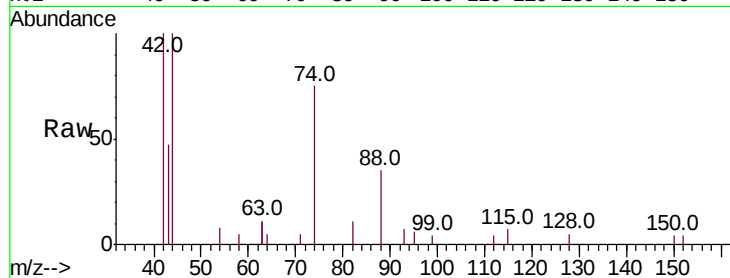
Tot Ion: 42 Resp: 3430

Ion Ratio Lower Upper

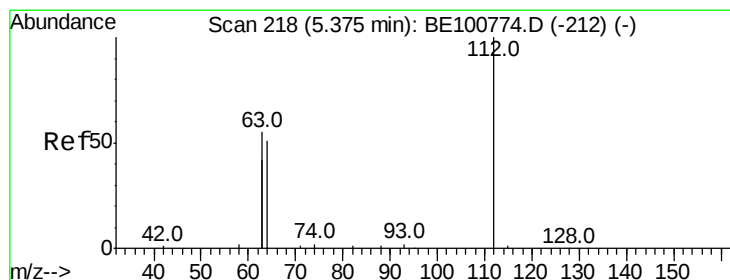
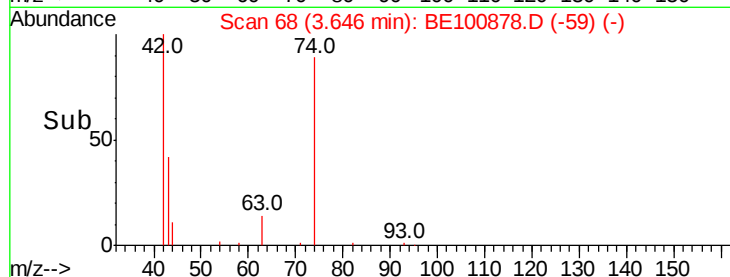
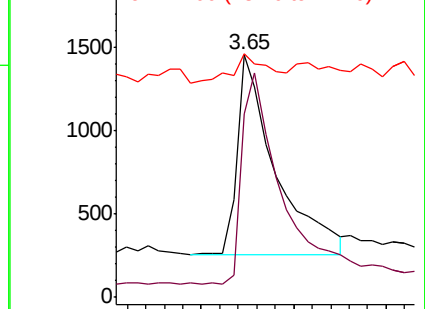
42 100

74 110.2 90.3 135.5

44 11.2 9.0 13.4



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: 0.477 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

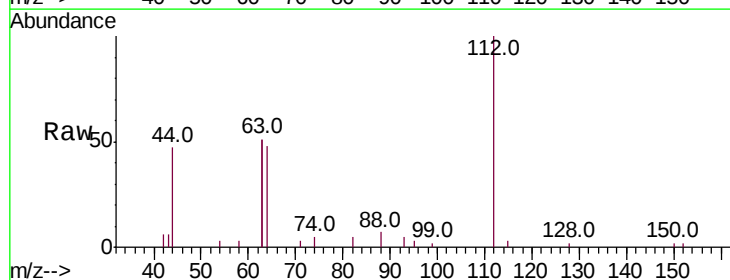
Tgt Ion: 112 Resp: 5680

Ion Ratio Lower Upper

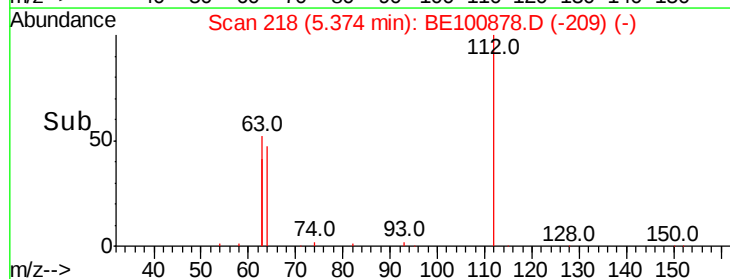
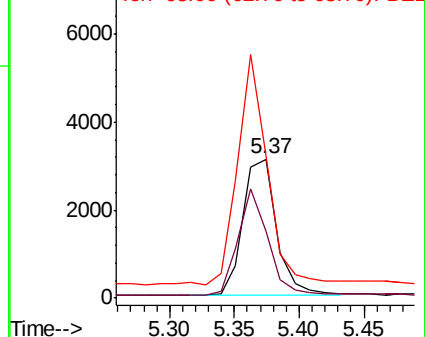
112 100

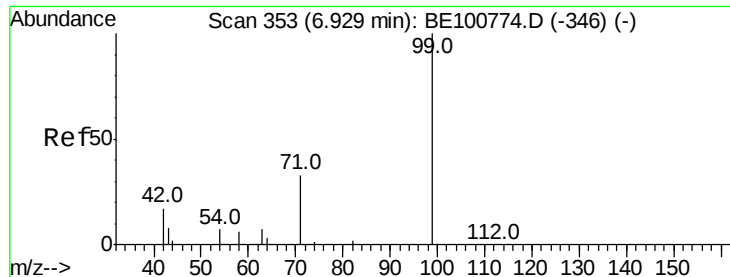
64 68.1 54.5 81.7

63 145.2 116.1 174.1



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: 0.471 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

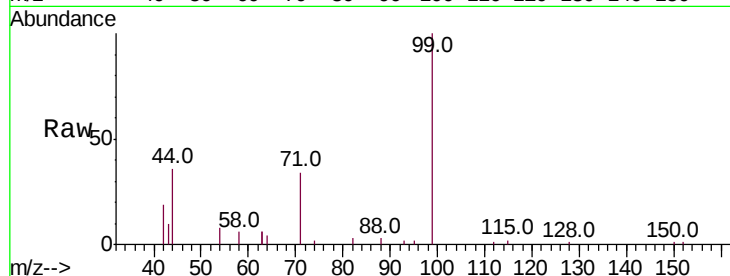
Tot Ion: 99 Resp: 8459

Ion Ratio Lower Upper

99 100

42 22.6 18.2 27.2

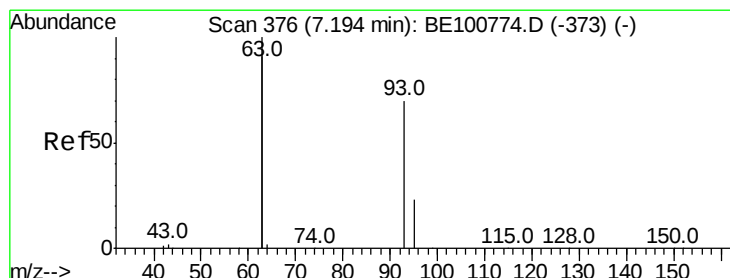
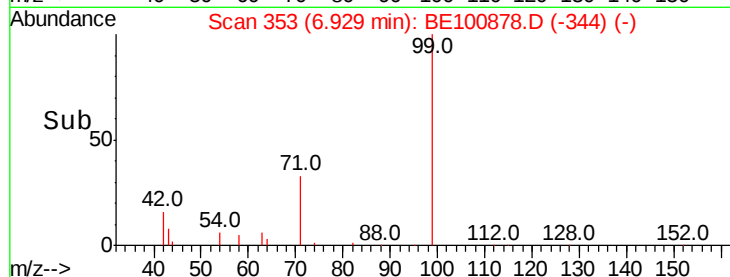
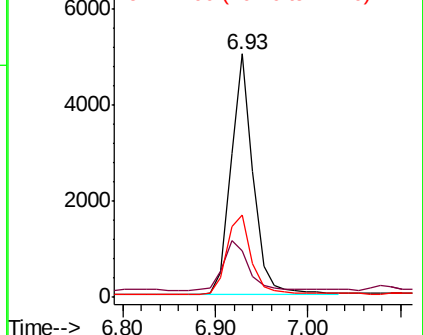
71 36.6 29.1 43.7



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: 0.461 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

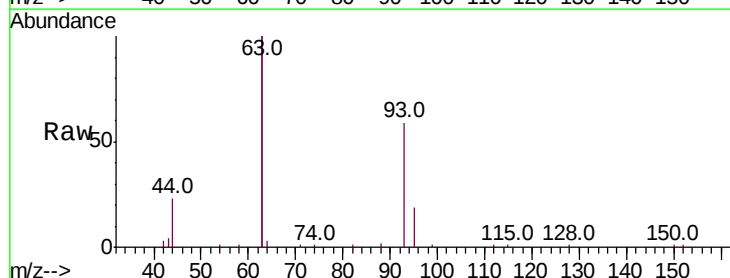
Tgt Ion: 93 Resp: 8003

Ion Ratio Lower Upper

93 100

63 317.4 253.9 380.9

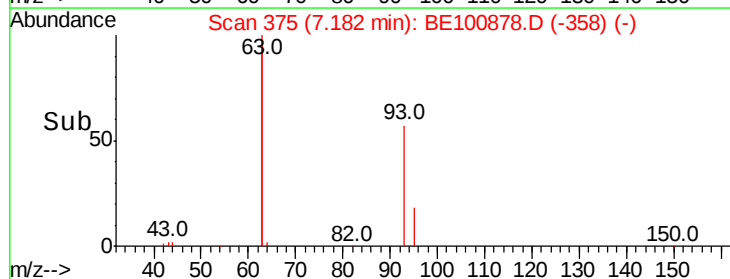
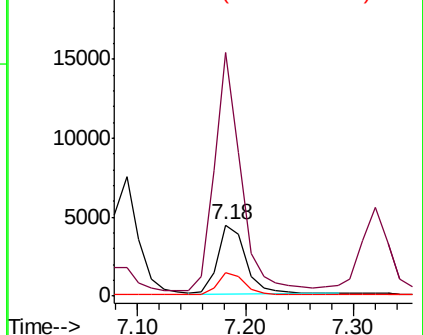
95 31.3 25.0 37.6

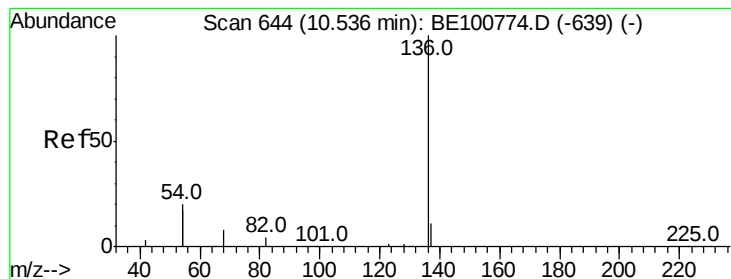


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 22684

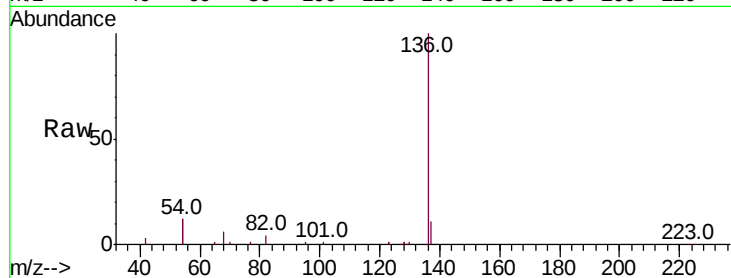
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 23.6 18.9 28.3

68 5.7 4.6 6.8

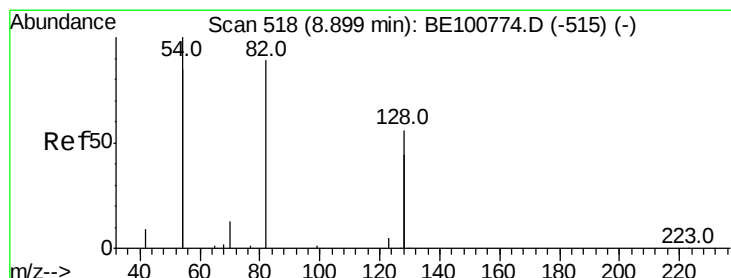
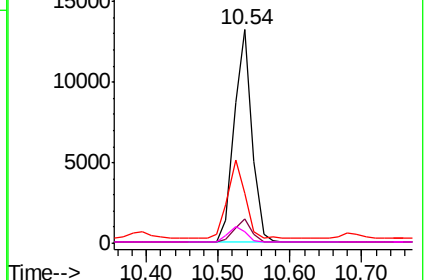
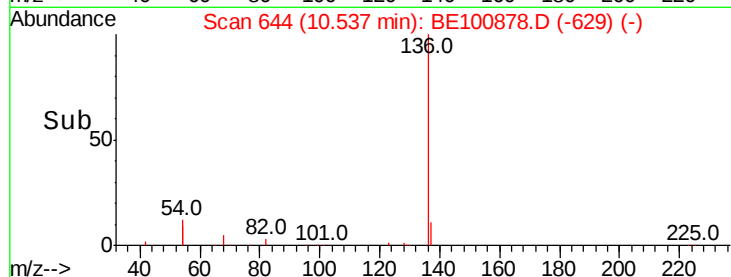


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.567 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

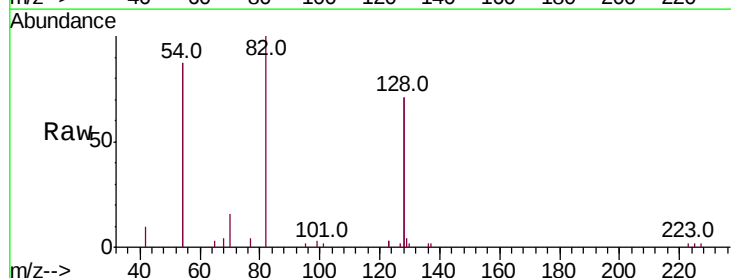
Tgt Ion: 82 Resp: 6127

Ion Ratio Lower Upper

82 100

128 141.9 113.5 170.3

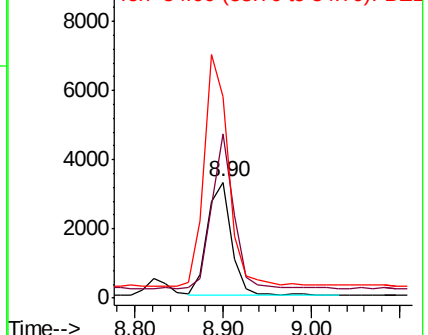
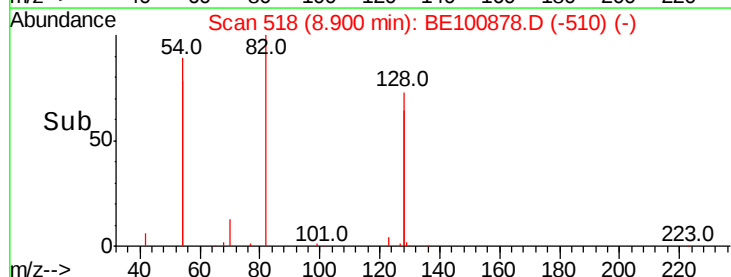
54 173.6 138.9 208.3

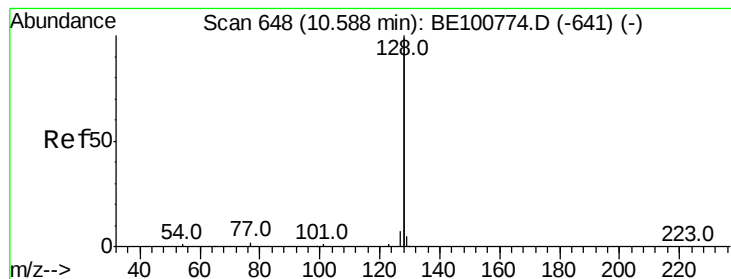


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.461 ng

RT: 10.58 min Scan# 647

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

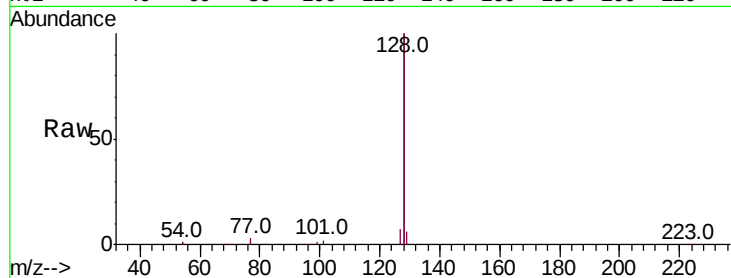
Tot Ion:128 Resp: 111241

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

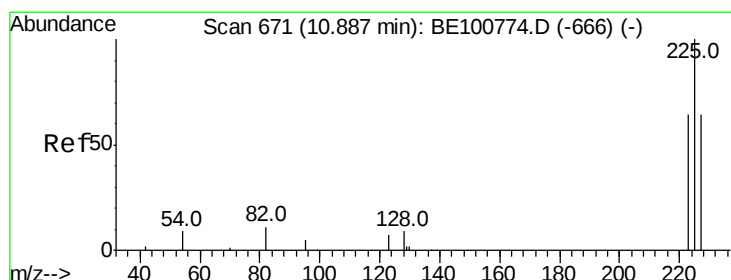
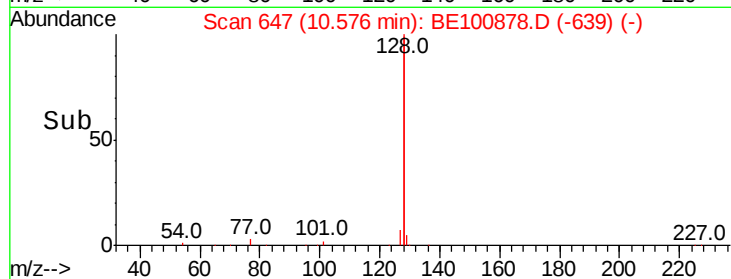
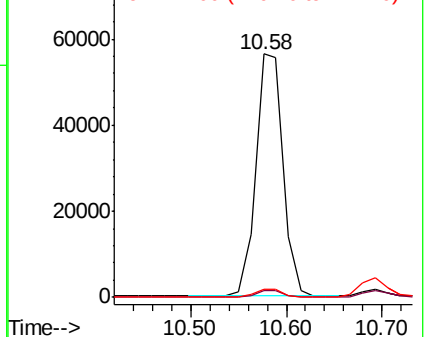
127 3.5 2.8 4.2



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: 0.449 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

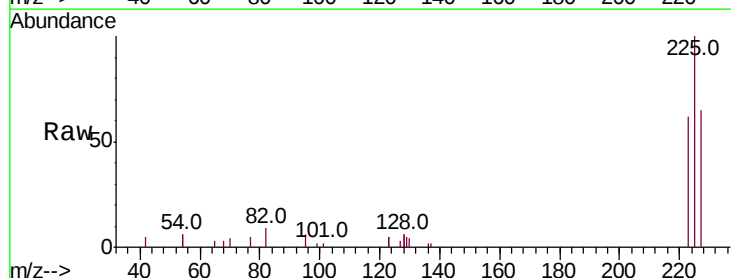
Tgt Ion:225 Resp: 4221

Ion Ratio Lower Upper

225 100

223 65.1 52.1 78.1

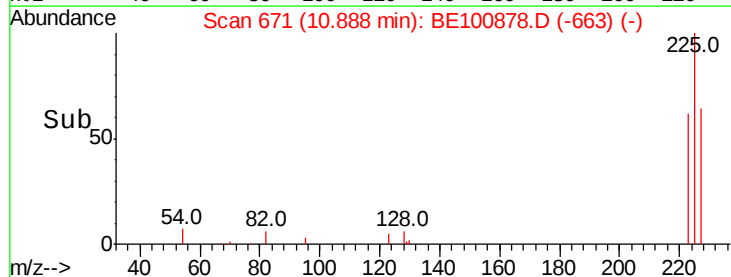
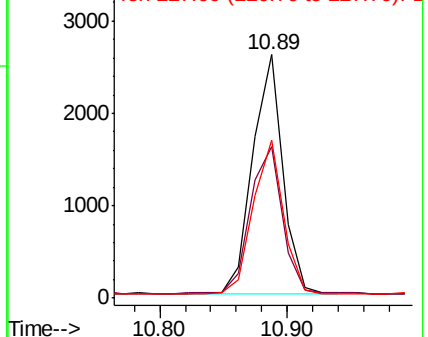
227 63.9 51.1 76.7

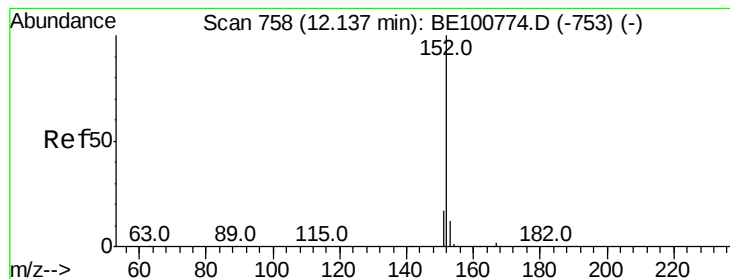


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.452 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

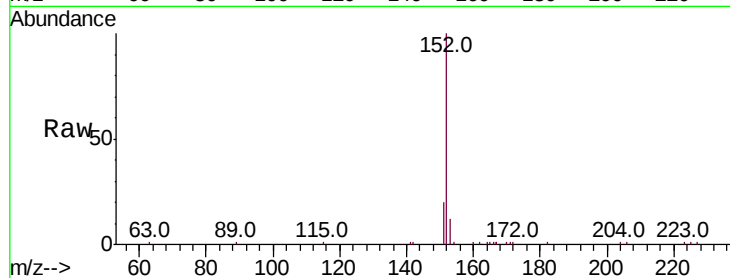
SSTDCCC0.4

Tot Ion:152 Resp: 14868

Ion Ratio Lower Upper

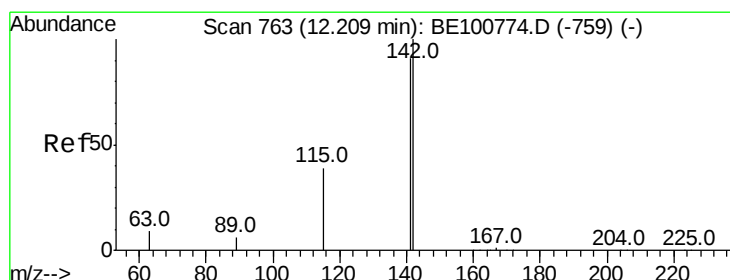
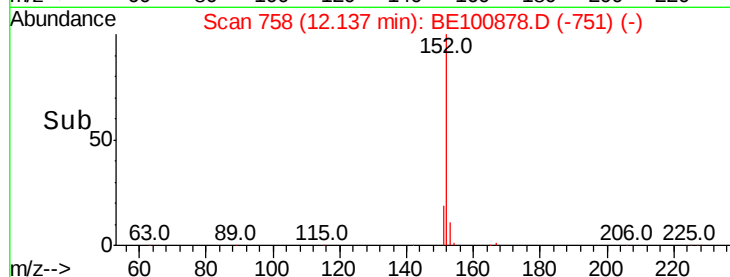
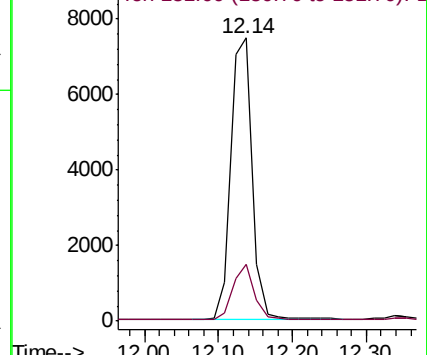
152 100

151 18.9 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.466 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

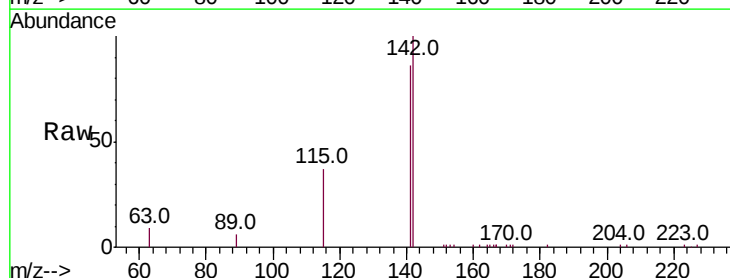
Tgt Ion:142 Resp: 17549

Ion Ratio Lower Upper

142 100

141 86.1 68.9 103.3

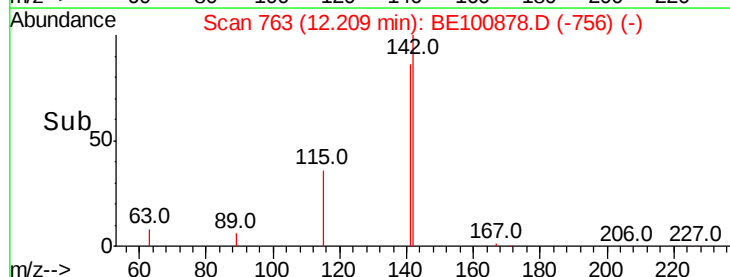
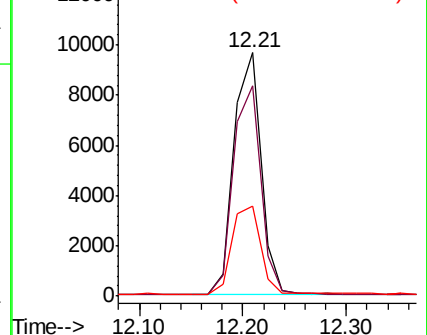
115 36.9 29.5 44.3

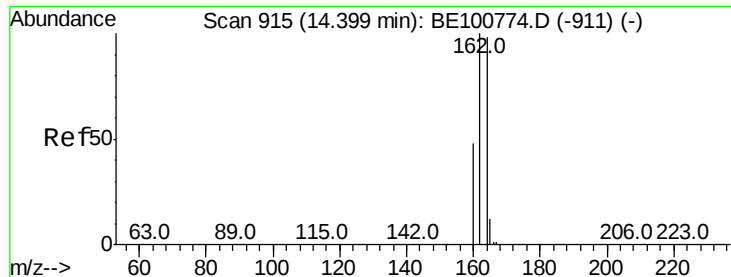


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

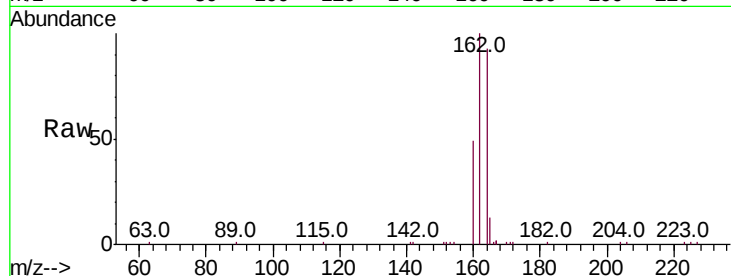




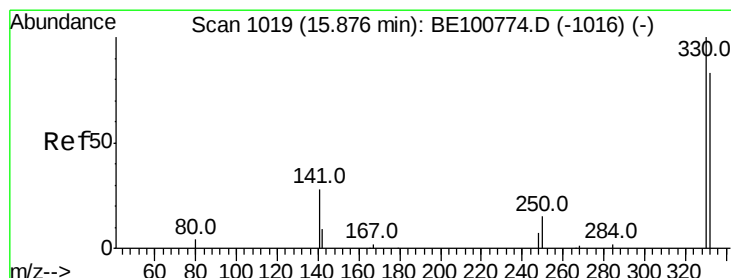
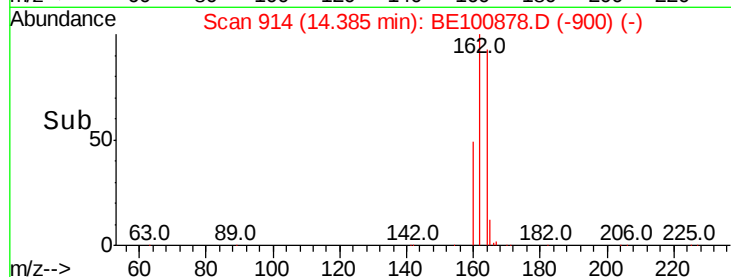
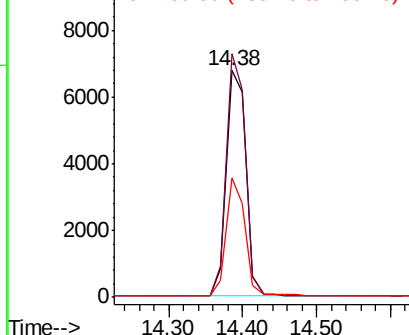
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.38 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BE100878.D
 Acq: 13 Dec 2019 9:35

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Tot Ion:164 Resp: 12330
 Ion Ratio Lower Upper
 164 100
 162 107.5 86.0 129.0
 160 52.9 42.3 63.5

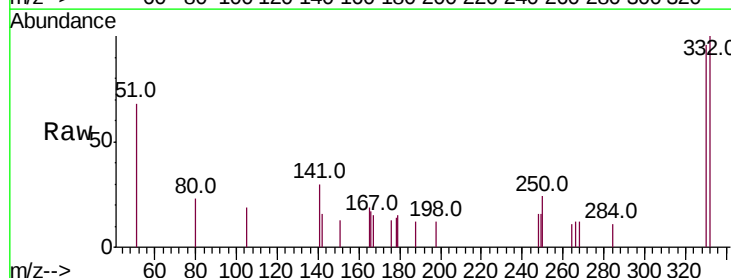


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

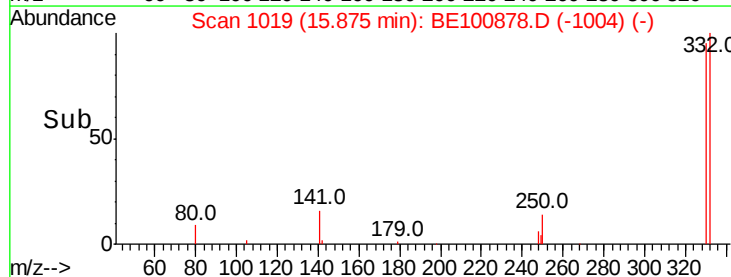
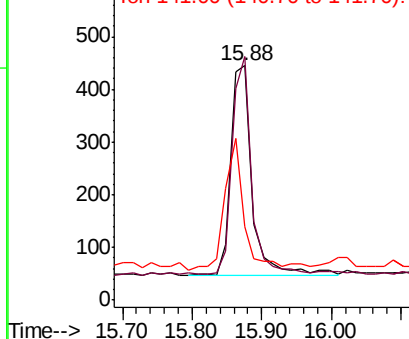


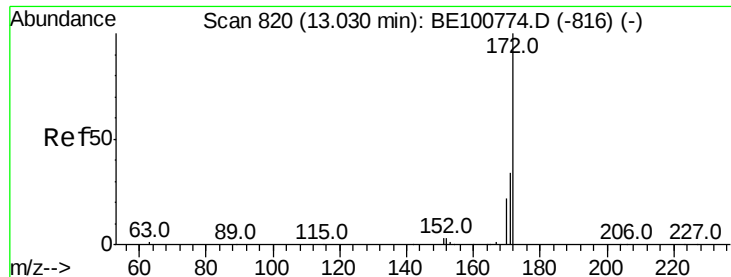
#14
 2,4,6-Tribromophenol
 Concen: 0.614 ng
 RT: 15.88 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: BE100878.D
 Acq: 13 Dec 2019 9:35

Tgt Ion:330 Resp: 842
 Ion Ratio Lower Upper
 330 100
 332 92.6 74.1 111.1
 141 58.4 46.7 70.1



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

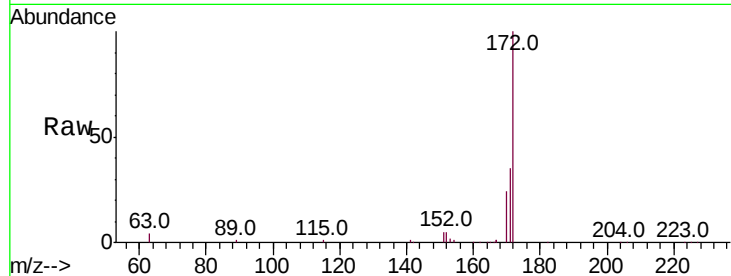




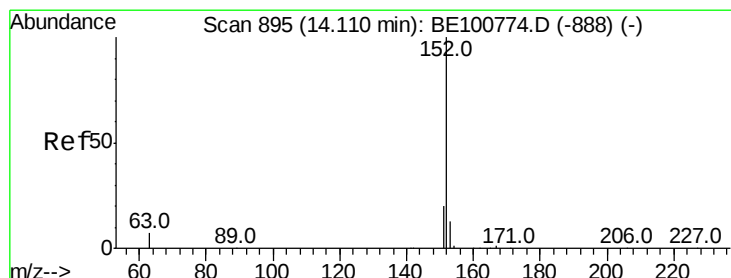
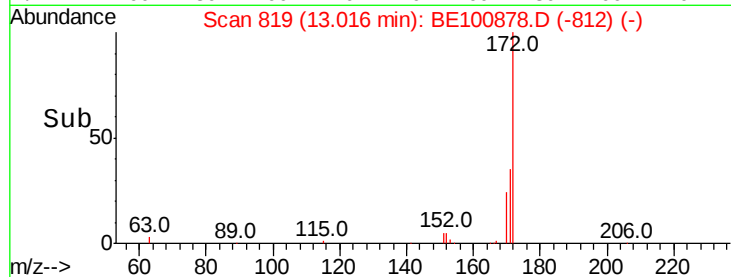
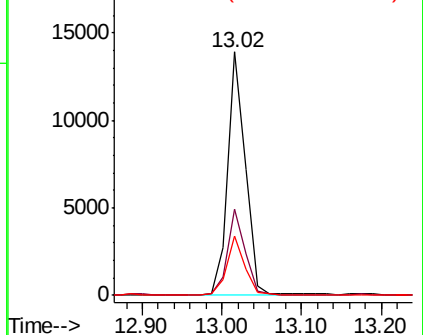
#15
2-Fluorobiphenyl
Concen: 0.433 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:172 Resp: 21159
Ion Ratio Lower Upper
172 100
171 35.3 28.2 42.4
170 24.2 19.4 29.0

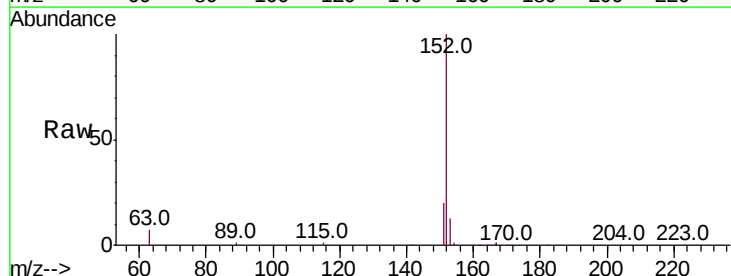


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

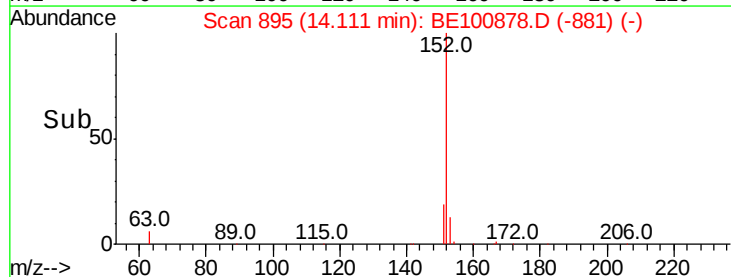
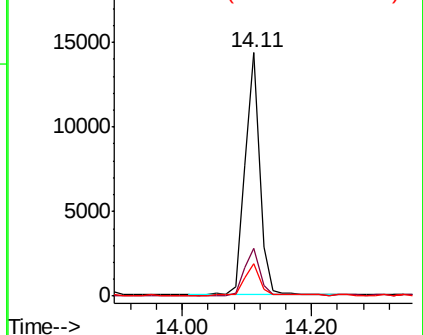


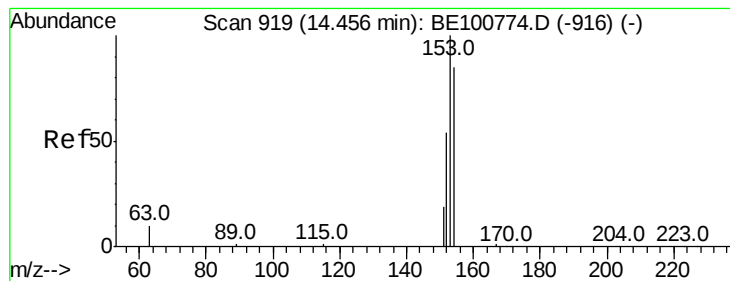
#16
Acenaphthylene
Concen: 0.445 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:152 Resp: 22707
Ion Ratio Lower Upper
152 100
151 19.9 15.9 23.9
153 13.1 10.5 15.7



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





#17

Acenaphthene

Concen: 0.465 ng

RT: 14.46 min Scan# 919

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

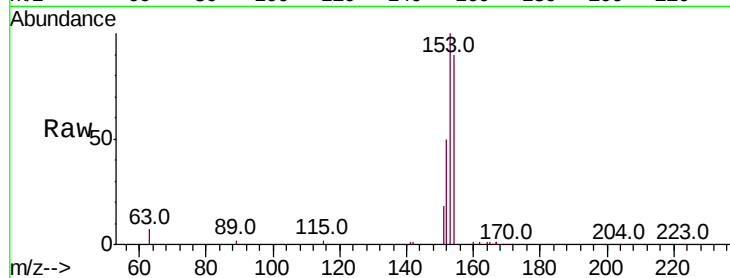
BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:154 Resp: 16356

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.5	137.3
152	60.1	47.7	71.5

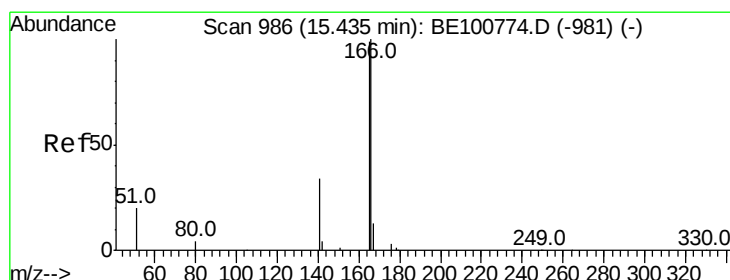
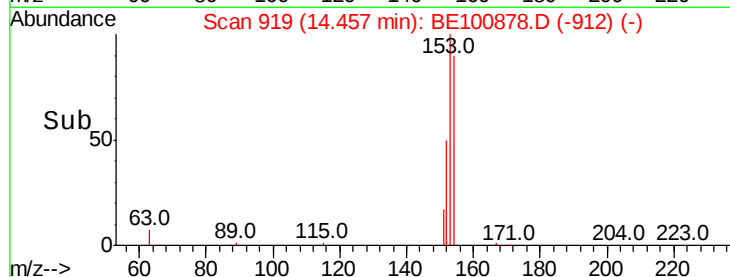
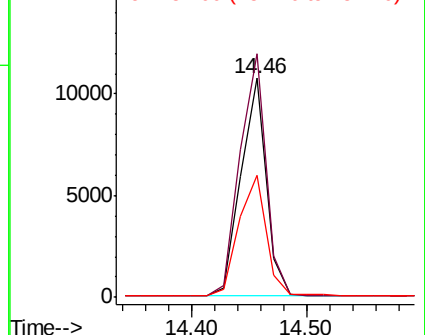


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.456 ng

RT: 15.42 min Scan# 985

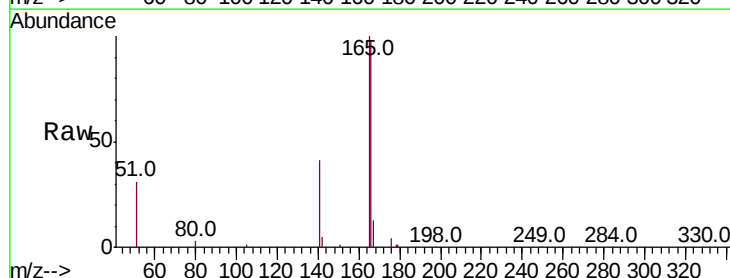
Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Tgt Ion:166 Resp: 20663

Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.2	120.4
167	13.3	10.6	16.0

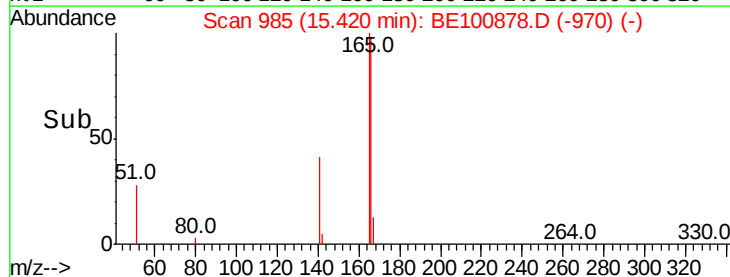
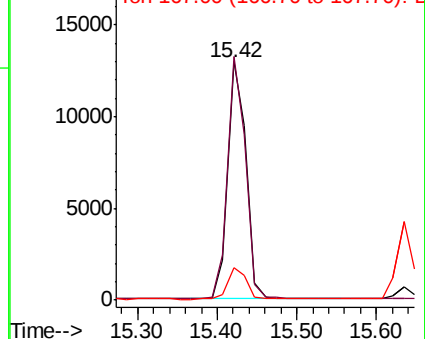


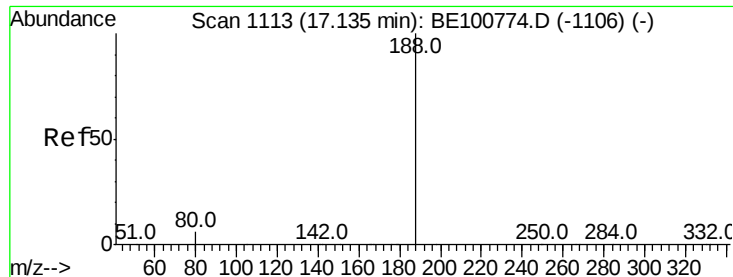
Abundance

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: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

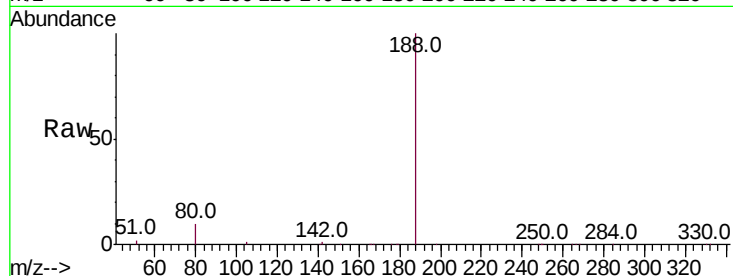
Tot Ion:188 Resp: 27376

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

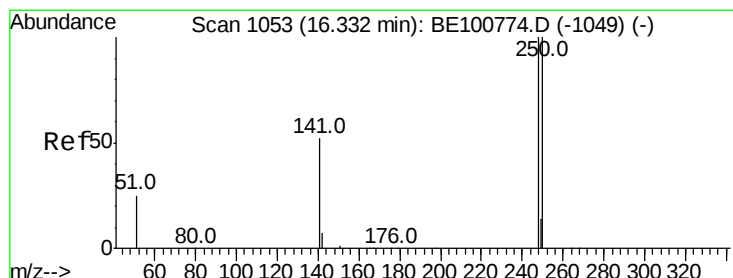
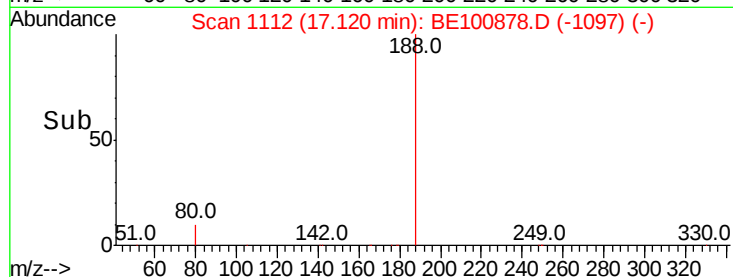
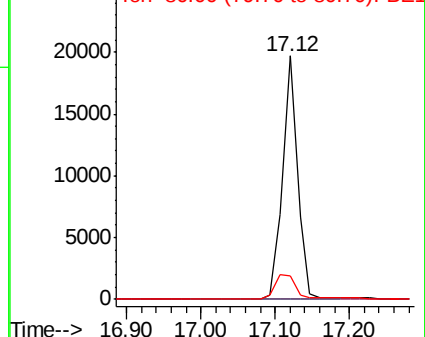
80 9.9 7.9 11.9



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: 0.450 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

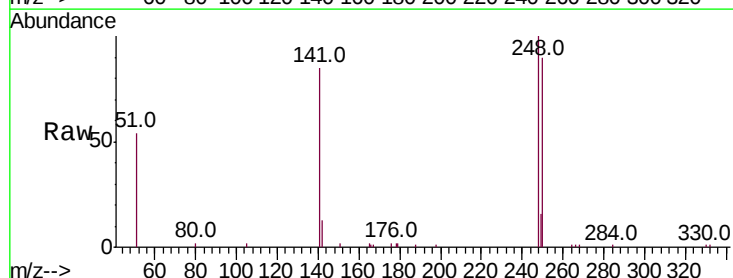
Tgt Ion:248 Resp: 6044

Ion Ratio Lower Upper

248 100

250 90.5 72.4 108.6

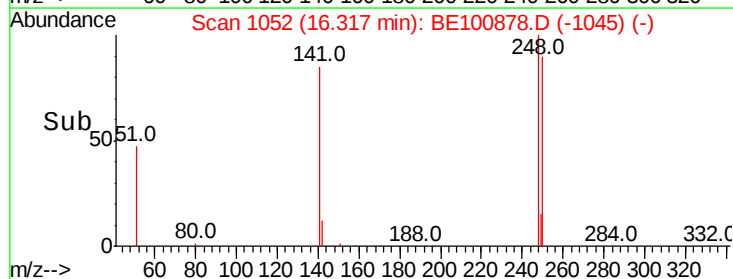
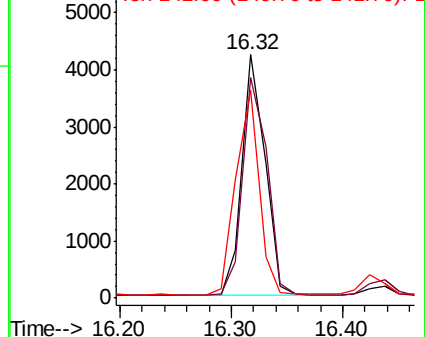
141 85.2 68.2 102.2

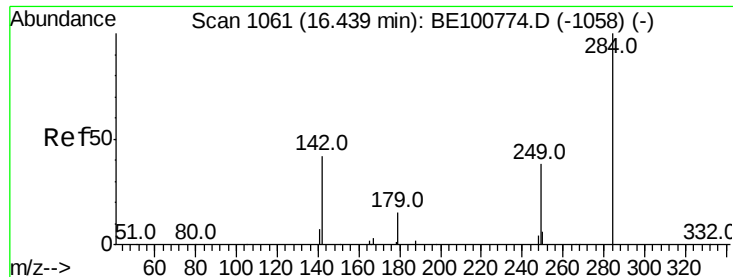


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.481 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

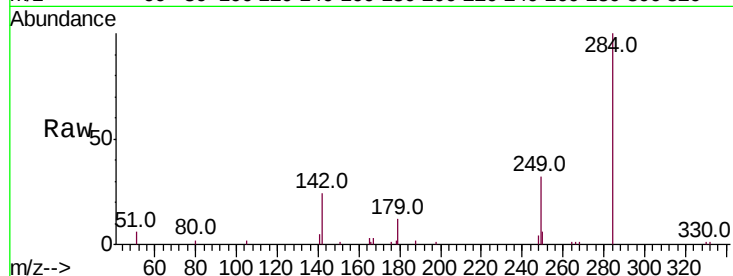
Tot Ion:284 Resp: 7015

Ion Ratio Lower Upper

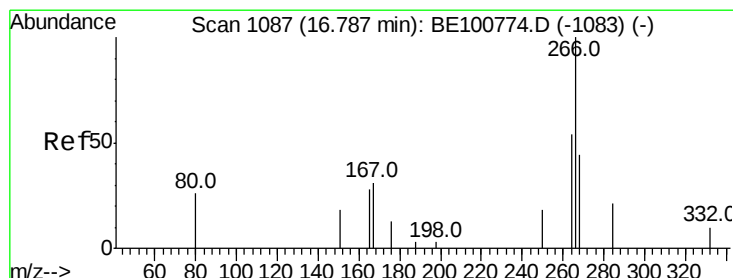
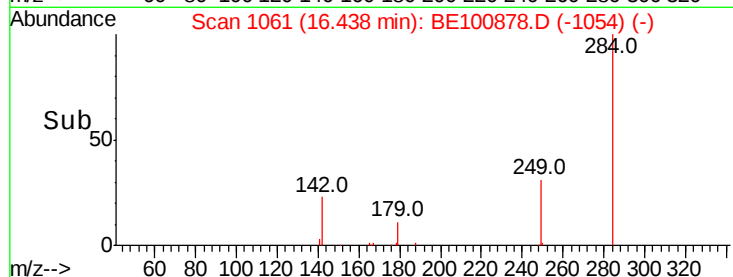
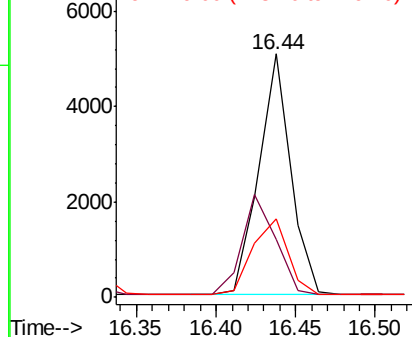
284 100

142 43.5 35.0 52.4

249 35.1 28.1 42.1



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: 0.611 ng

RT: 16.79 min Scan# 1087

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

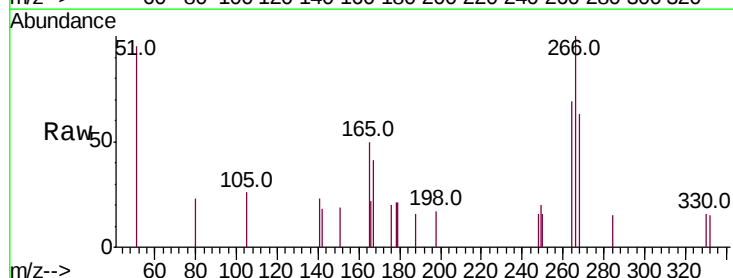
Tgt Ion:266 Resp: 617

Ion Ratio Lower Upper

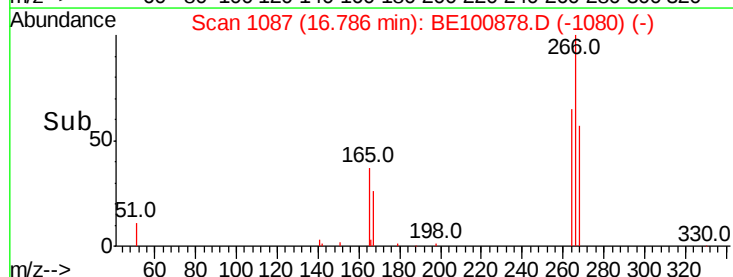
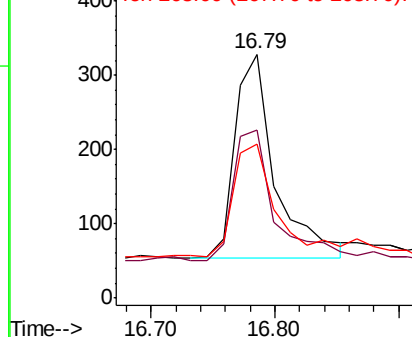
266 100

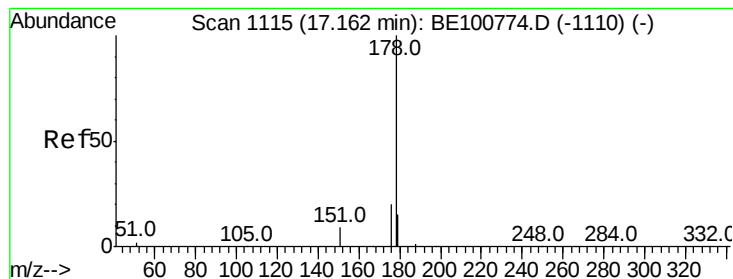
264 68.9 55.1 82.7

268 63.4 50.7 76.1



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: 0.460 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

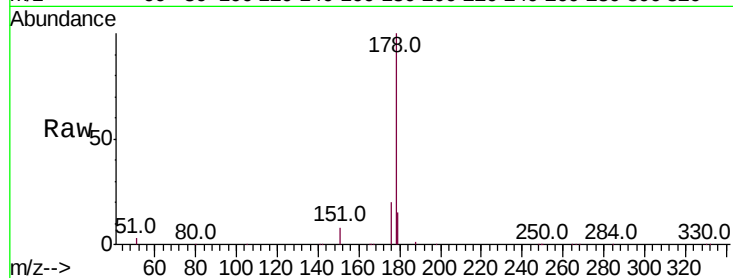
Tot Ion:178 Resp: 38125

Ion Ratio Lower Upper

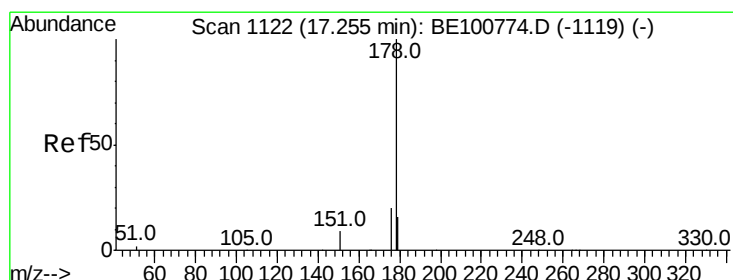
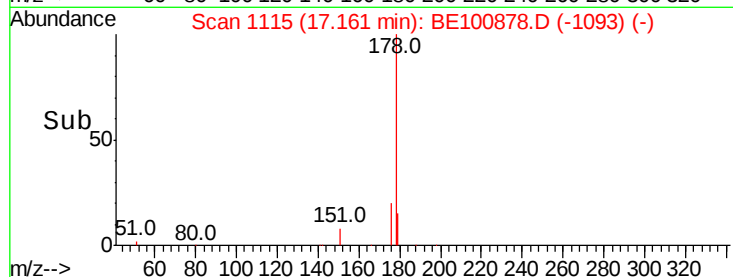
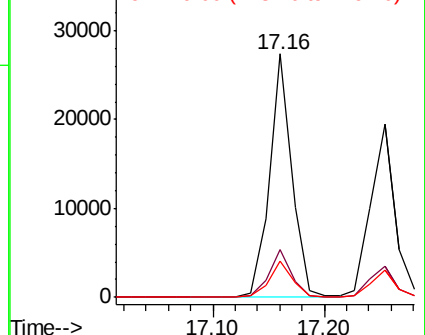
178 100

176 19.5 15.6 23.4

179 14.9 11.9 17.9



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.424 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

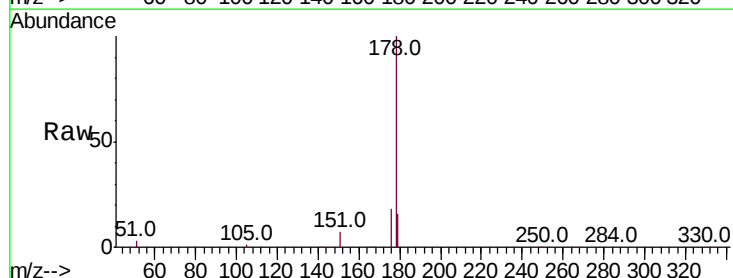
Tgt Ion:178 Resp: 29415

Ion Ratio Lower Upper

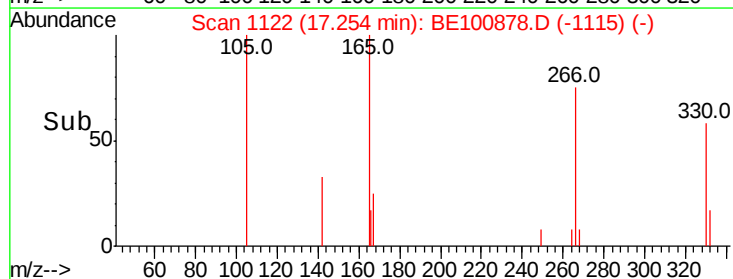
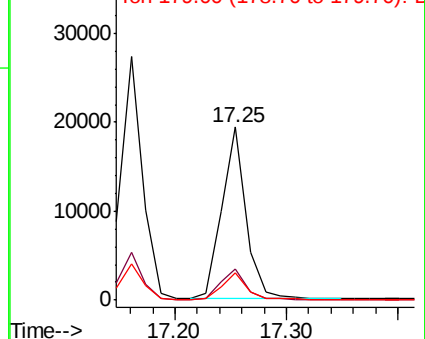
178 100

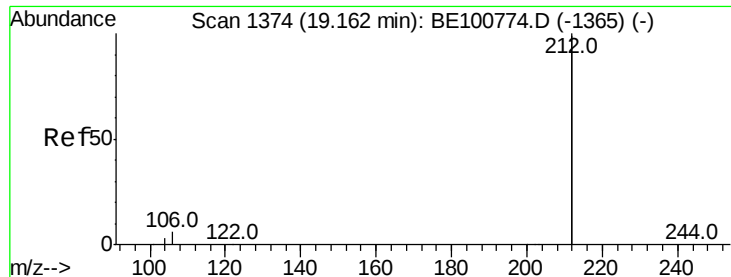
176 18.4 14.7 22.1

179 15.3 12.2 18.4



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: 0.386 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

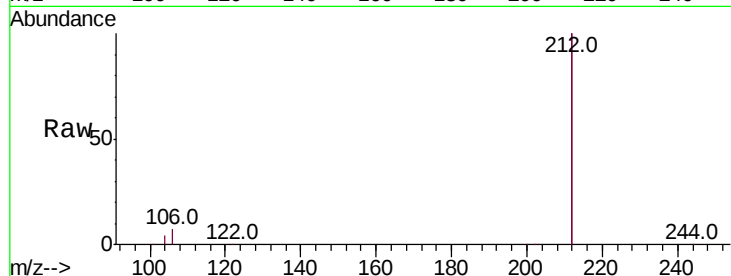
Tot Ion:212 Resp: 124790

Ion Ratio Lower Upper

212 100

106 3.3 2.6 4.0

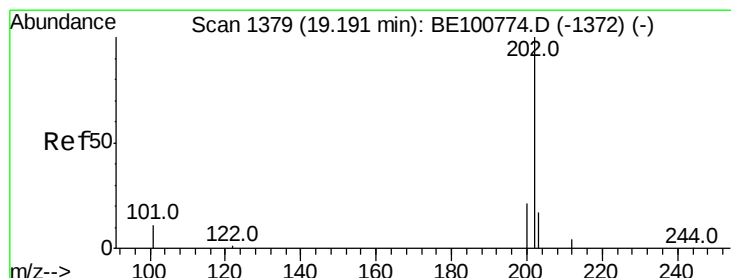
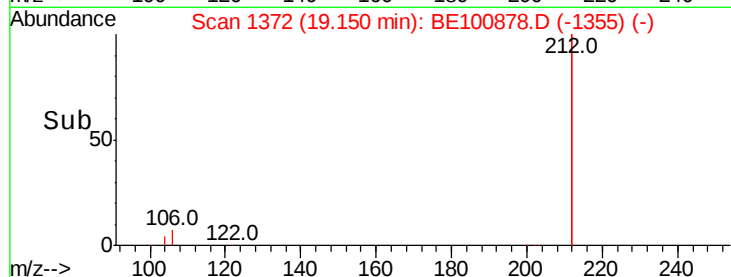
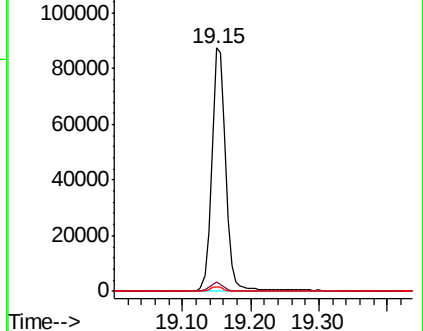
104 1.8 1.4 2.2



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: 0.404 ng

RT: 19.18 min Scan# 1378

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

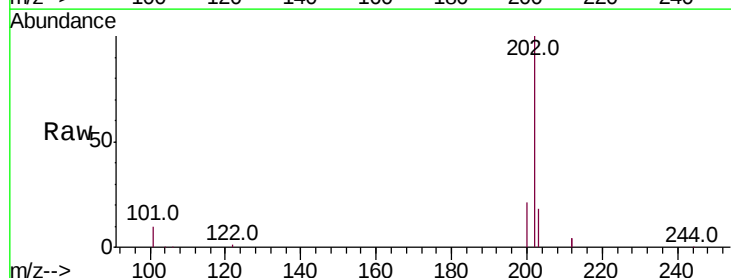
Tgt Ion:202 Resp: 40019

Ion Ratio Lower Upper

202 100

101 11.7 9.4 14.0

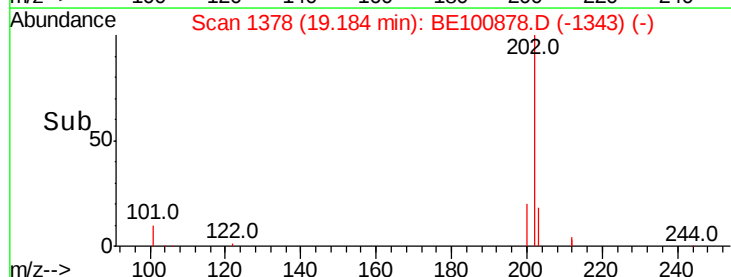
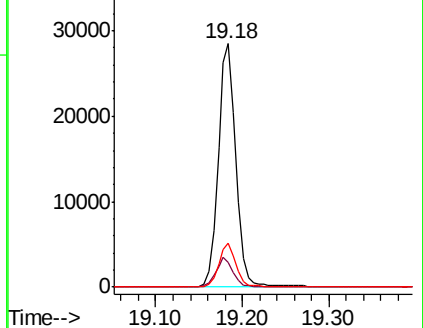
203 17.1 13.7 20.5

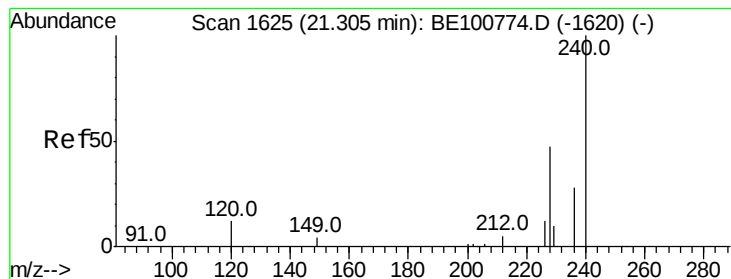


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.31 min Scan# 1625

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

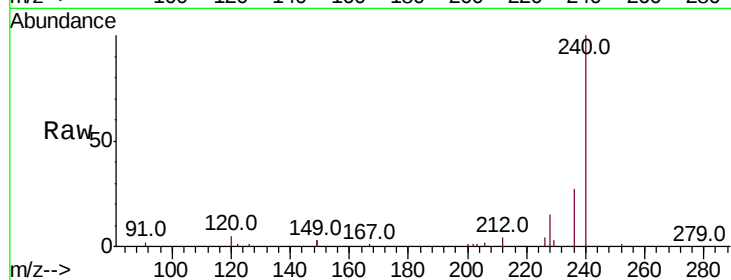
Tot Ion:240 Resp: 24031

Ion Ratio Lower Upper

240 100

120 5.0 4.0 6.0

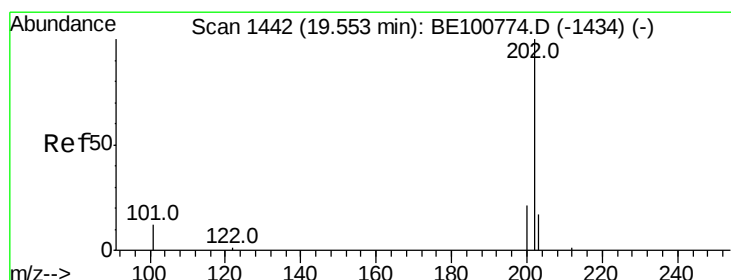
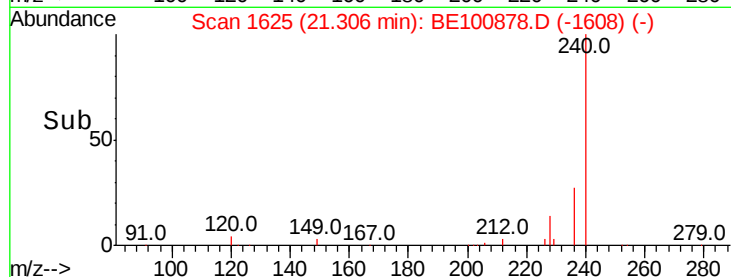
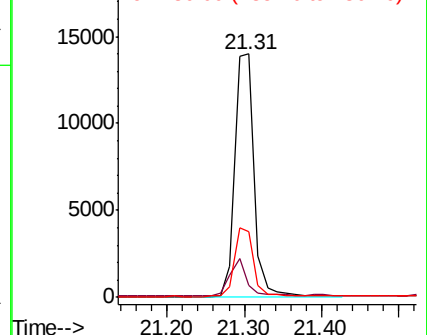
236 27.0 21.6 32.4



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: 0.498 ng

RT: 19.55 min Scan# 1441

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

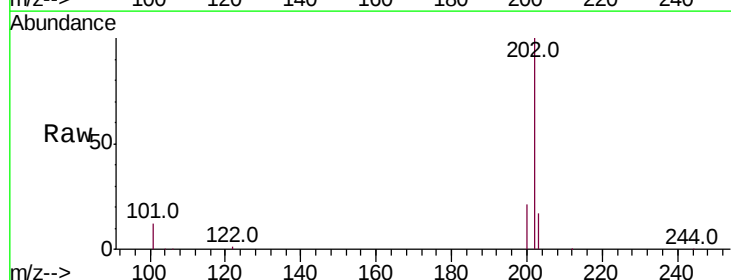
Tgt Ion:202 Resp: 38858

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

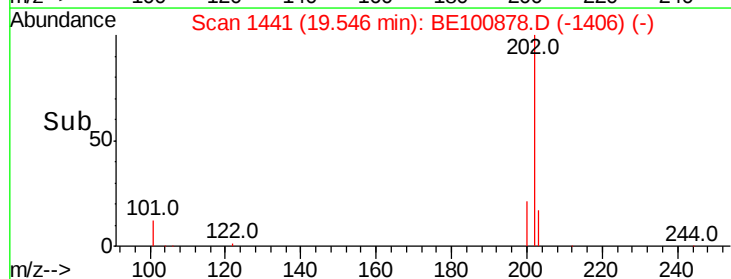
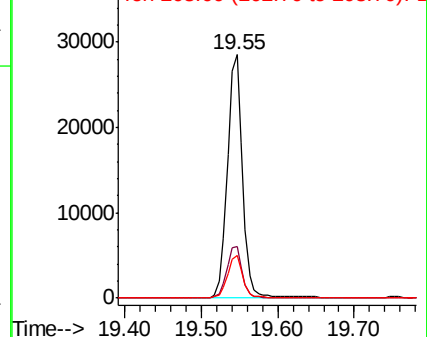
203 17.3 13.8 20.8

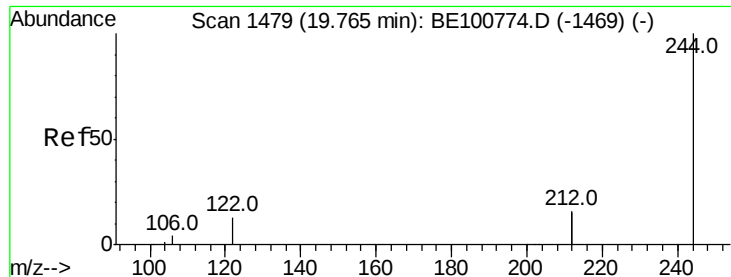


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.460 ng

RT: 19.76 min Scan# 1478

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

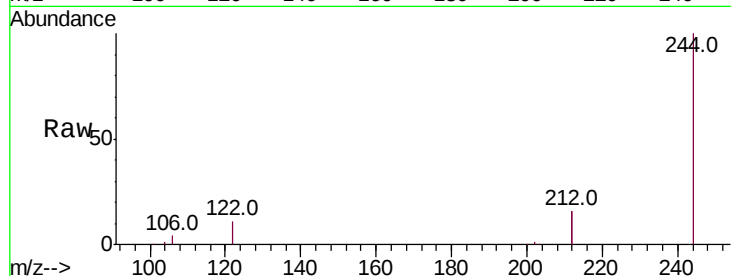
Tot Ion:244 Resp: 26468

Ion Ratio Lower Upper

244 100

212 31.5 25.2 37.8

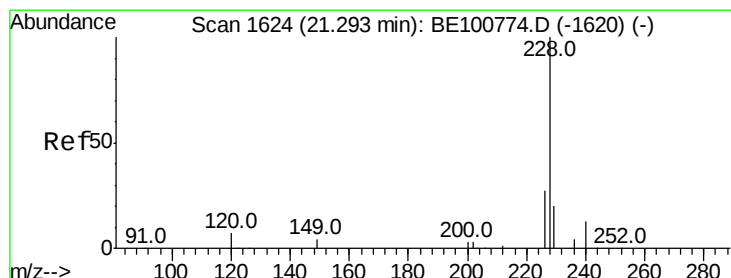
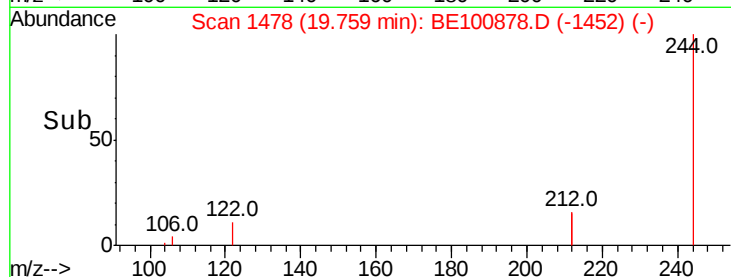
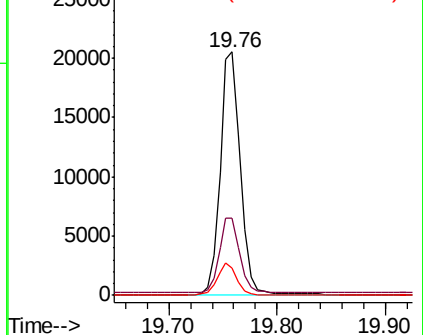
122 11.1 8.9 13.3



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: 0.452 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

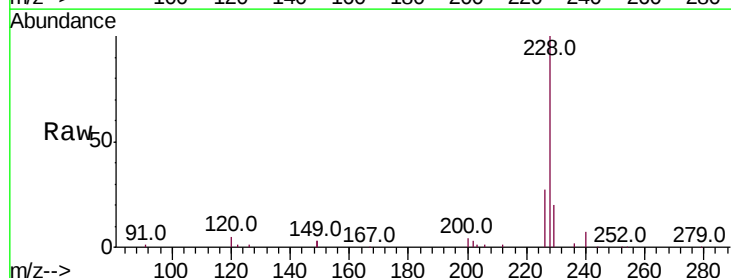
Tgt Ion:228 Resp: 32042

Ion Ratio Lower Upper

228 100

226 26.7 21.4 32.0

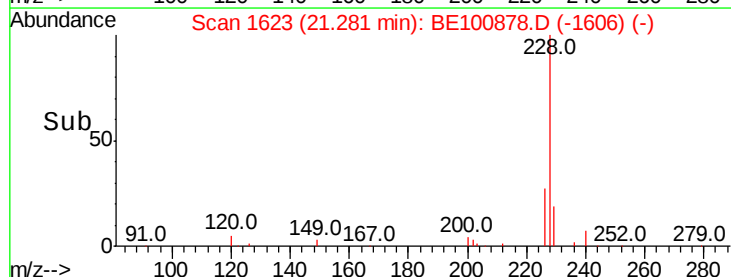
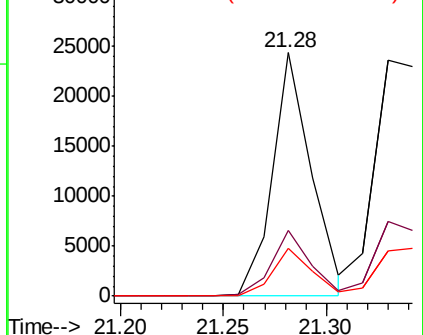
229 19.7 15.8 23.6

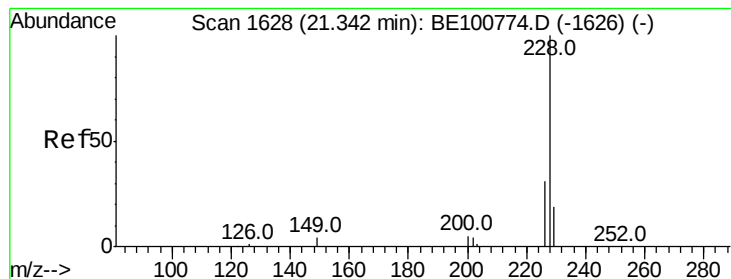


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.489 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

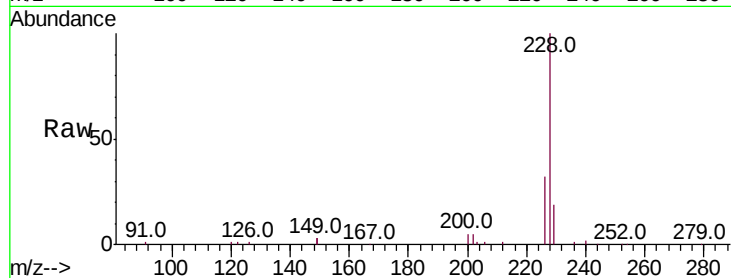
Tot Ion:228 Resp: 40675

Ion Ratio Lower Upper

228 100

226 31.6 25.3 37.9

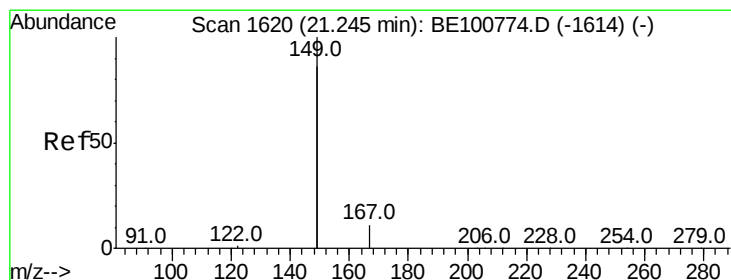
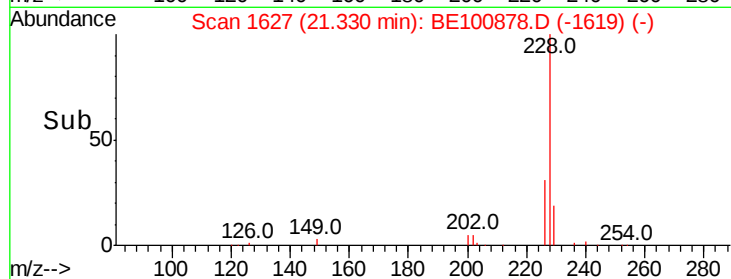
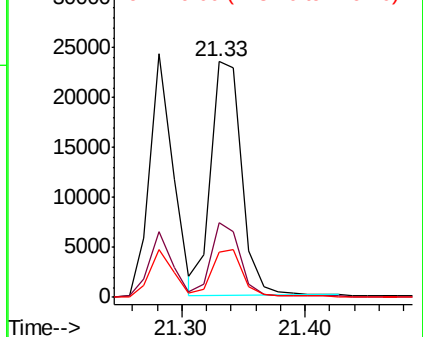
229 19.0 15.2 22.8



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.559 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

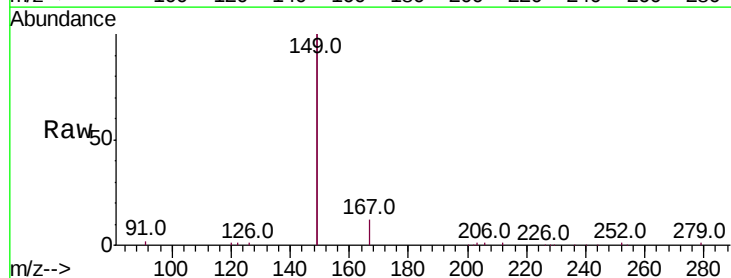
Tgt Ion:149 Resp: 27931

Ion Ratio Lower Upper

149 100

167 6.1 5.0 7.4

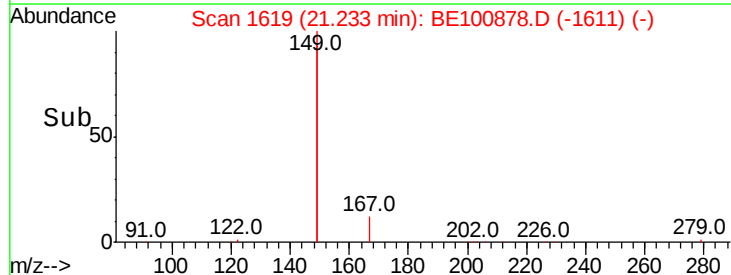
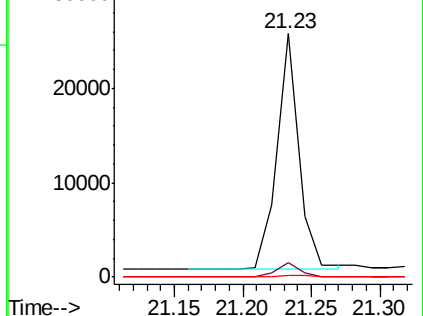
279 0.8 0.6 1.0

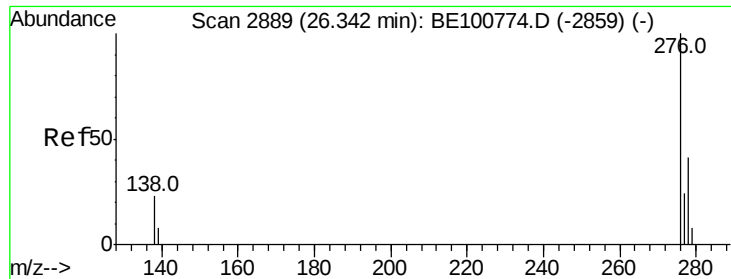


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.471 ng

RT: 26.31 min Scan# 2881

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

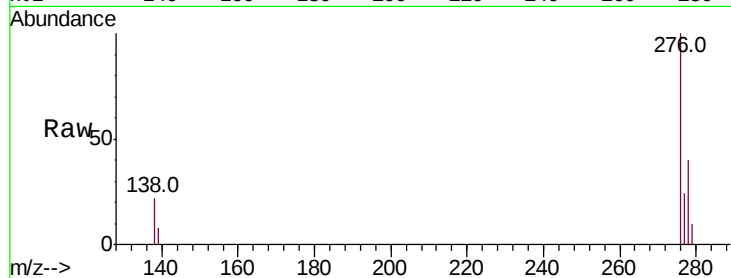
Tot Ion:276 Resp: 34122

Ion Ratio Lower Upper

276 100

138 23.2 18.4 27.6

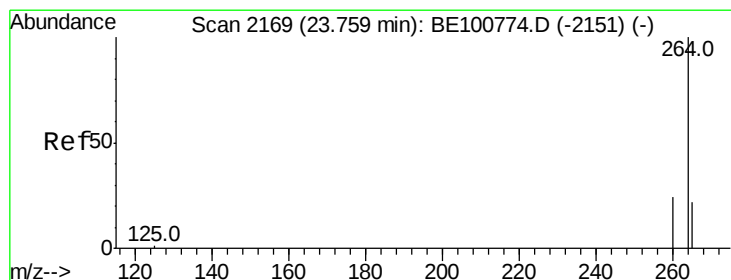
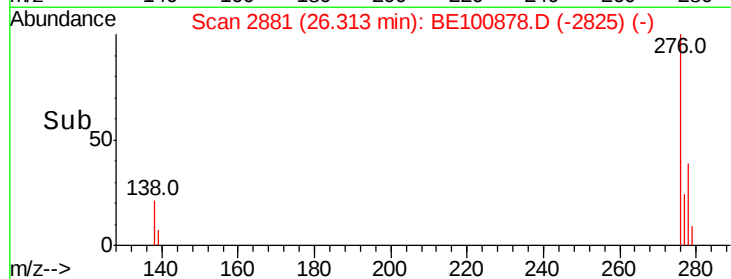
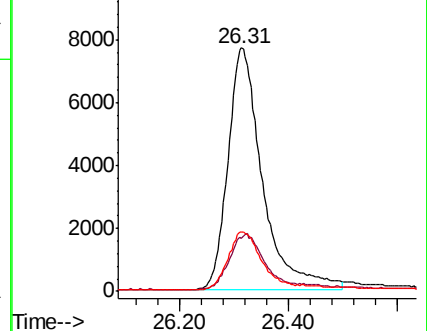
277 24.6 19.4 29.2



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: 23.74 min Scan# 2164

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

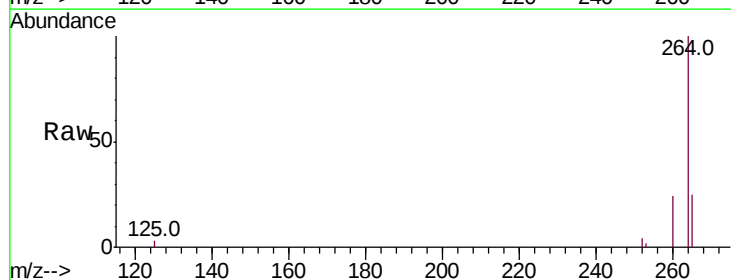
Tgt Ion:264 Resp: 27750

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

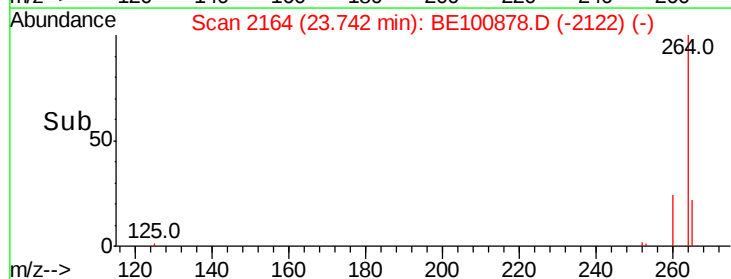
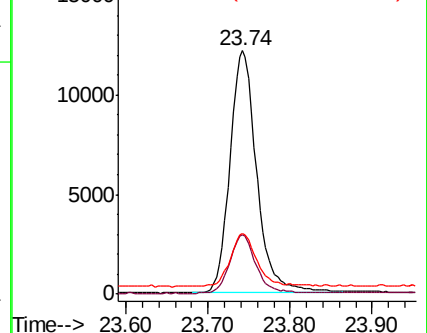
265 25.1 20.1 30.1

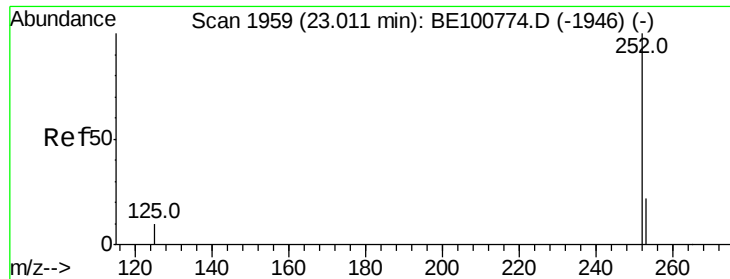


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.423 ng

RT: 22.99 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

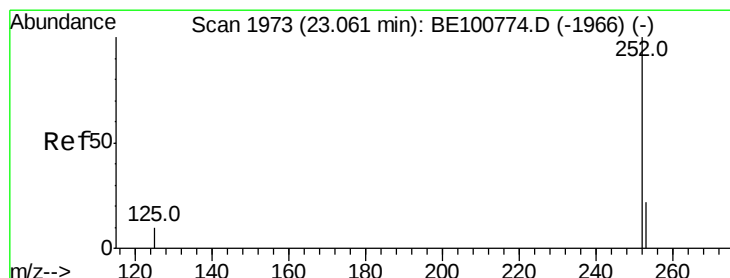
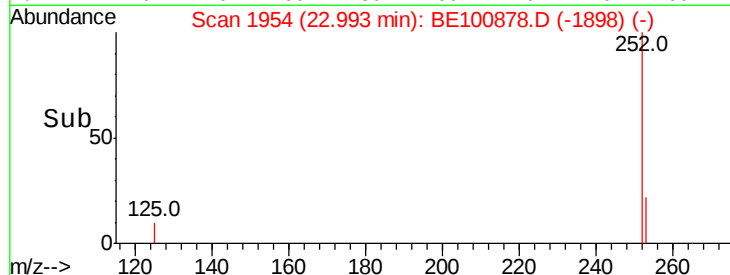
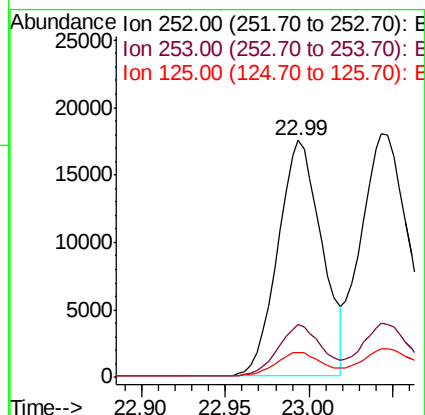
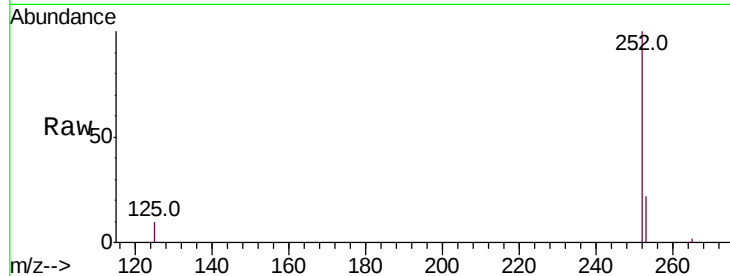
Tot Ion:252 Resp: 32143

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 10.4 8.3 12.5



#36

Benzo(k)fluoranthene

Concen: 0.455 ng

RT: 23.04 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

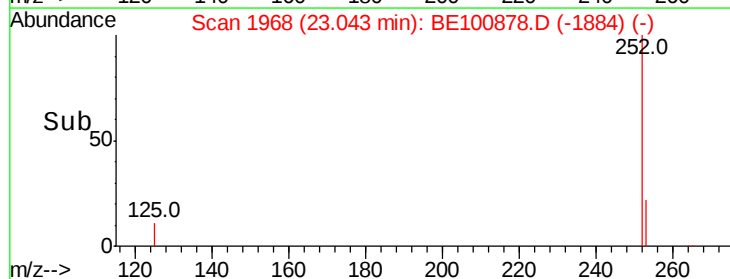
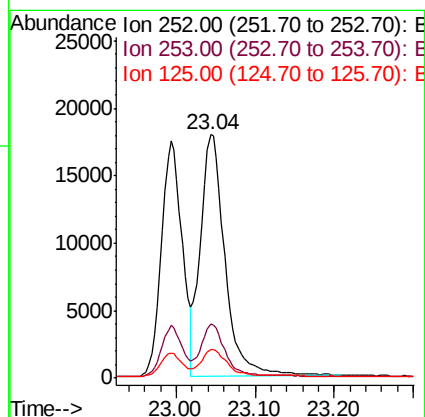
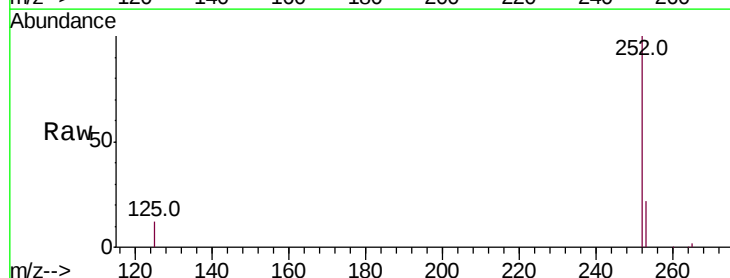
Tgt Ion:252 Resp: 38788

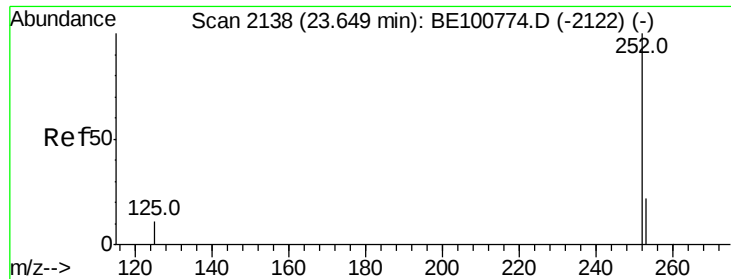
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 11.7 9.4 14.0





#37

Benzo(a)pyrene

Concen: 0.410 ng

RT: 23.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

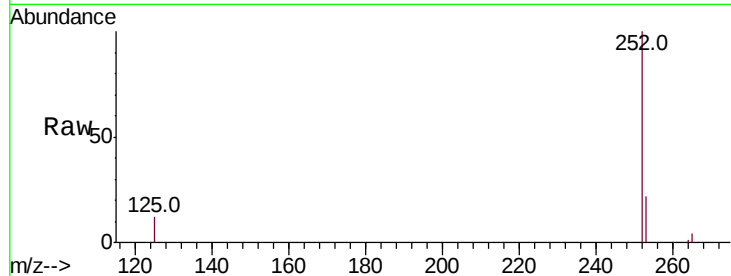
Tot Ion:252 Resp: 26990

Ion Ratio Lower Upper

252 100

253 22.3 17.8 26.8

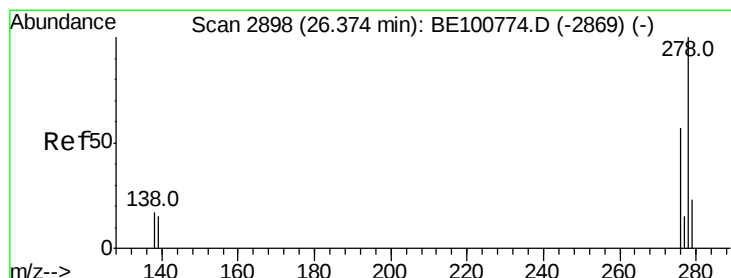
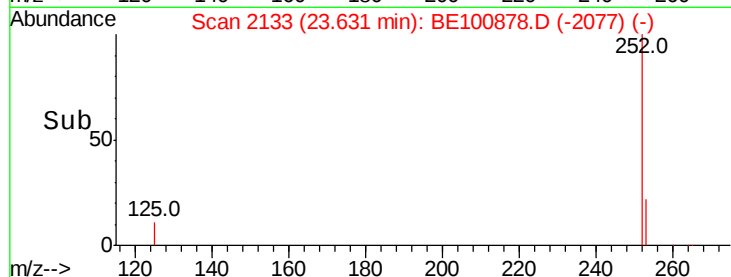
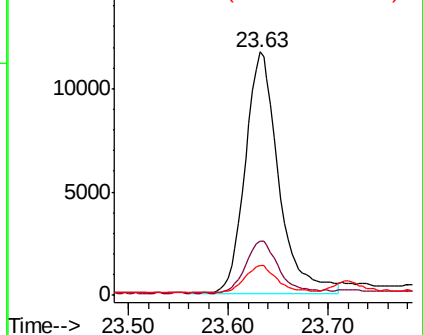
125 12.4 9.9 14.9



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.422 ng

RT: 26.34 min Scan# 2889

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

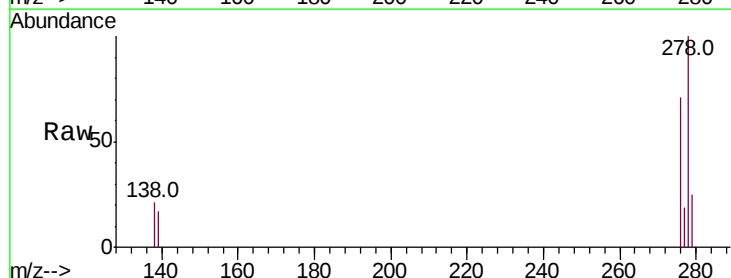
Tgt Ion:278 Resp: 27634

Ion Ratio Lower Upper

278 100

139 17.2 13.8 20.6

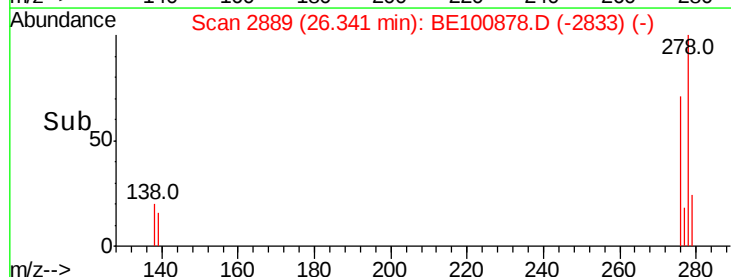
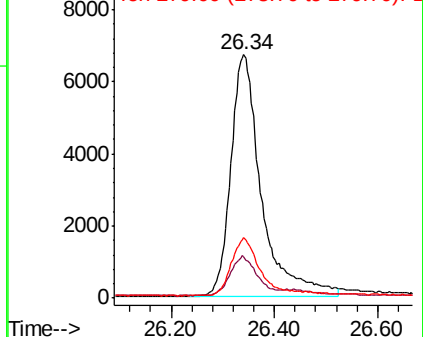
279 24.7 19.8 29.6

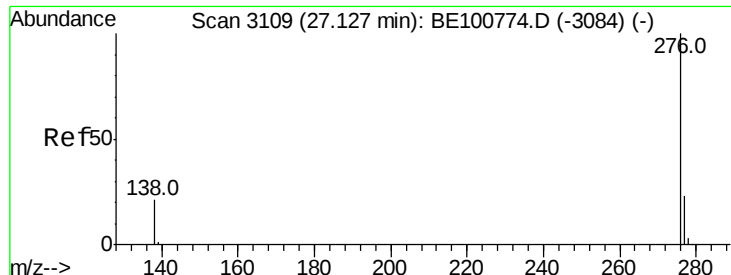


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.435 ng

RT: 27.10 min Scan# 3102

Delta R.T. 0.00 min

Lab File: BE100878.D

Acq: 13 Dec 2019 9:35

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

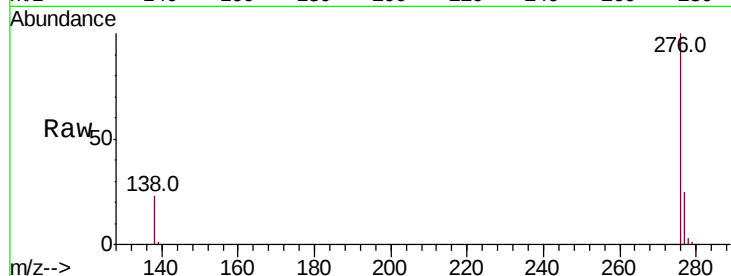
Tot Ion:276 Resp: 30411

Ion Ratio Lower Upper

276 100

277 24.6 19.7 29.5

138 22.5 18.0 27.0



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

