

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
 Data File : BE100805.D
 Acq On : 10 Dec 2019 10:58
 Operator : JU
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

Quant Time: Dec 10 14:08:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 04 17:18:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5695	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	28401	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	16217	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	34784	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	30446	0.40	ng	0.00
34) Perylene-d12	23.75	264	37207	0.40	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	6383	0.47	ng	0.00
5) Phenol-d6	6.93	99	9751	0.48	ng	0.00
8) Nitrobenzene-d5	8.90	82	7357	0.54	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	16068	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1225	0.68	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	22953	0.36	ng	0.00
25) Fluoranthene-d10	19.16	212	133853	0.33	ng	0.00
29) Terphenyl-d14	19.76	244	28494	0.39	ng	0.00

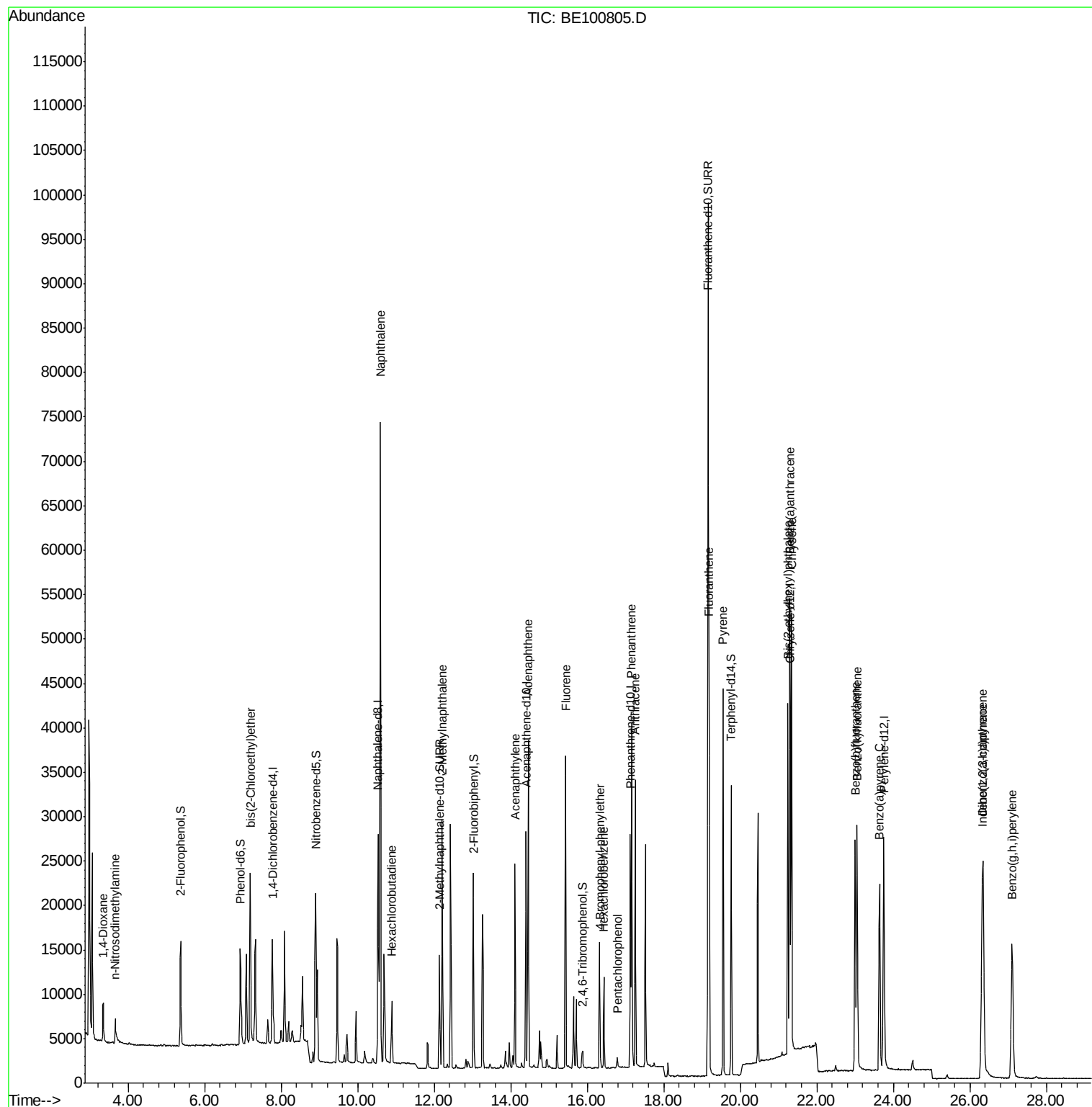
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.35	88	3861	0.372	ng	97
3) n-Nitrosodimethylamine	3.65	42	3225	0.382	ng	# 91
6) bis(2-Chloroethyl)ether	7.19	93	7743	0.393	ng	98
9) Naphthalene	10.59	128	113749	0.377	ng	100
10) Hexachlorobutadiene	10.89	225	4392	0.373	ng	99
12) 2-Methylnaphthalene	12.21	142	18163	0.385	ng	98
16) Acenaphthylene	14.11	152	25045	0.373	ng	99
17) Acenaphthene	14.46	154	17569	0.380	ng	98
18) Fluorene	15.43	166	22160	0.372	ng	98
20) 4-Bromophenyl-phenylether	16.33	248	6526	0.382	ng	# 88
21) Hexachlorobenzene	16.44	284	7182	0.387	ng	99
22) Pentachlorophenol	16.79	266	774	0.604	ng	84
23) Phenanthrene	17.16	178	38870	0.369	ng	99
24) Anthracene	17.26	178	31730	0.360	ng	98
26) Fluoranthene	19.18	202	40107	0.319	ng	99
28) Pyrene	19.55	202	39605	0.400	ng	100
30) Benzo(a)anthracene	21.29	228	37310	0.416	ng	99
31) Chrysene	21.34	228	39628	0.376	ng	98
32) Bis(2-ethylhexyl)phthalate	21.24	149	49023	0.752	ng	100
33) Indeno(1,2,3-cd)pyrene	26.32	276	42825	0.466	ng	99
35) Benzo(b)fluoranthene	23.00	252	37375	0.367	ng	100
36) Benzo(k)fluoranthene	23.05	252	40866	0.358	ng	100
37) Benzo(a)pyrene	23.64	252	34487	0.391	ng	99
38) Dibenzo(a,h)anthracene	26.35	278	34241	0.390	ng	99
39) Benzo(g,h,i)perylene	27.11	276	36511	0.389	ng	99

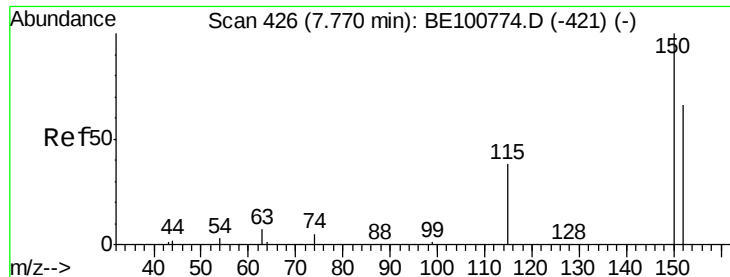
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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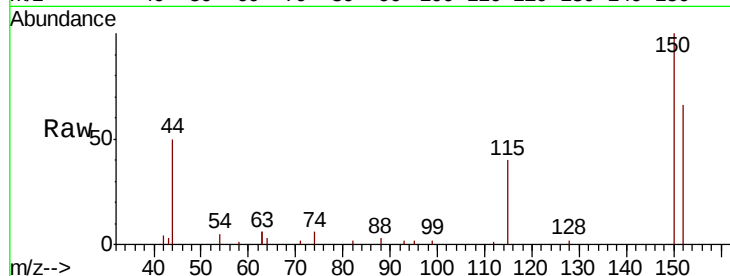


#1

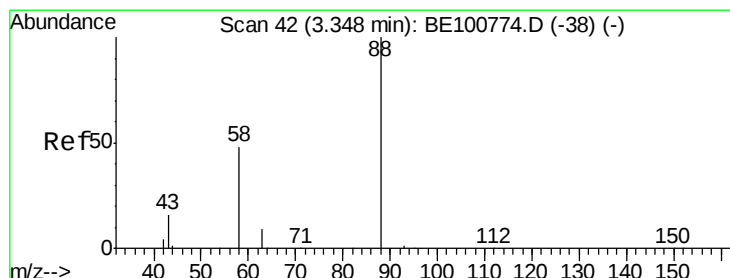
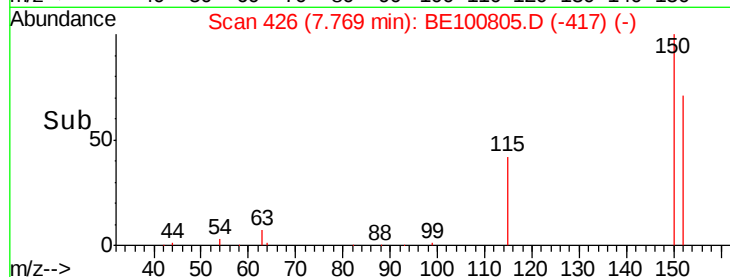
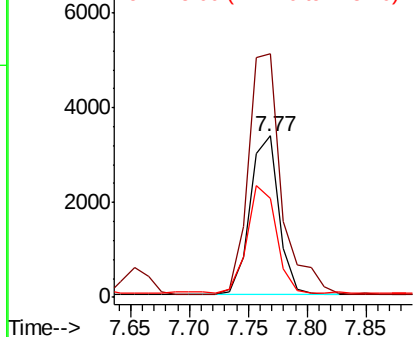
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:152 Resp: 5695
Ion Ratio Lower Upper
152 100
150 151.0 120.6 181.0
115 61.0 47.4 71.2



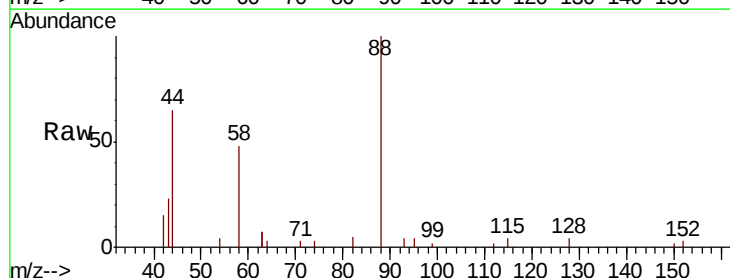
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



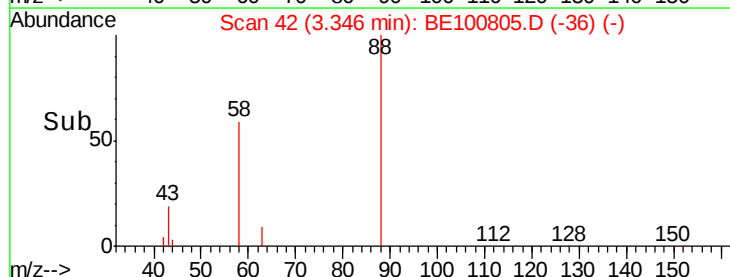
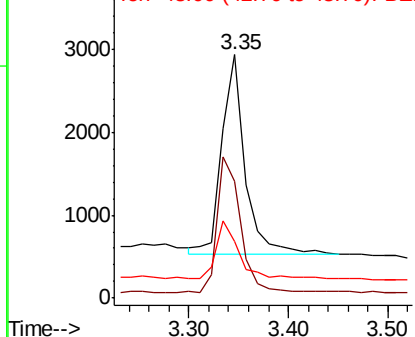
#2

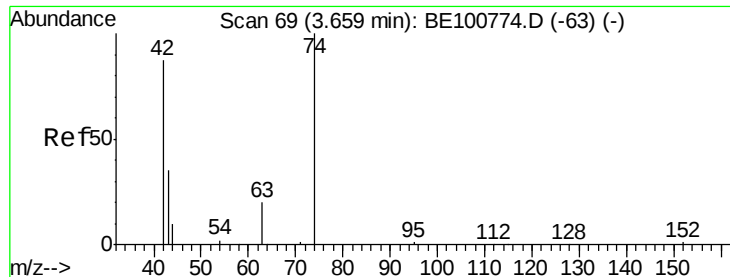
1,4-Dioxane
Concen: 0.372 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion: 88 Resp: 3861
Ion Ratio Lower Upper
88 100
58 68.7 52.5 78.7
43 28.2 23.0 34.6



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: 0.382 ng

RT: 3.65 min Scan# 68

Delta R.T. -0.01 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

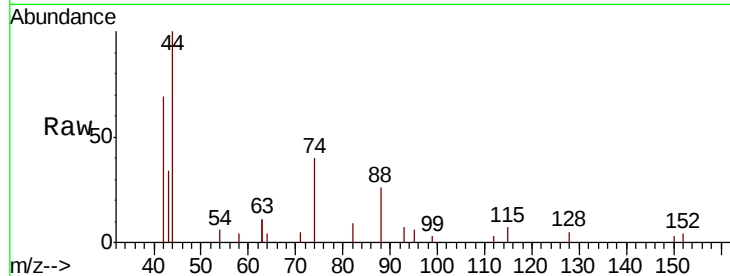
Tot Ion: 42 Resp: 3225

Ion Ratio Lower Upper

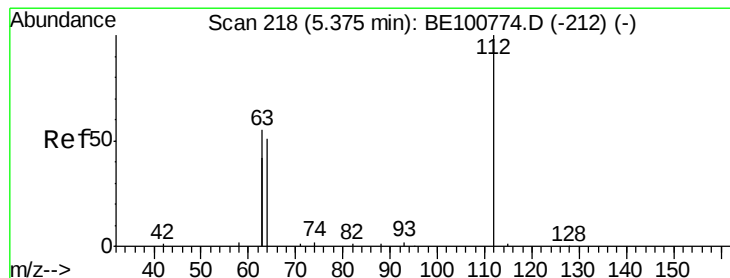
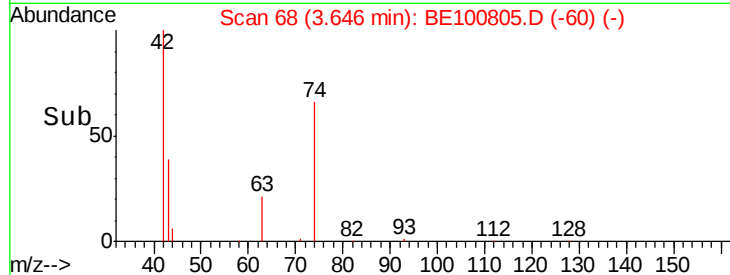
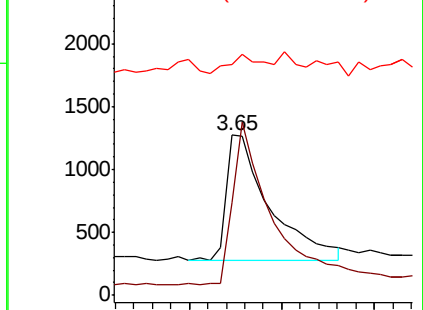
42 100

74 117.3 86.3 129.5

44 10.9 11.6 17.4#



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: 0.472 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

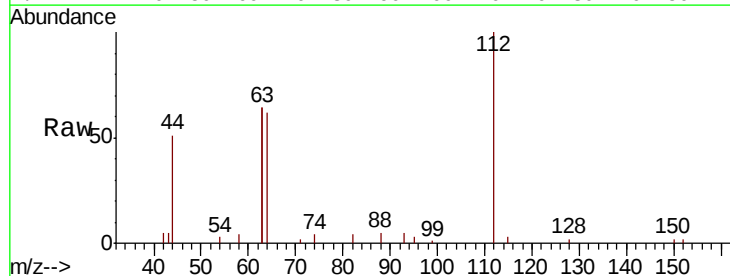
Tgt Ion: 112 Resp: 6383

Ion Ratio Lower Upper

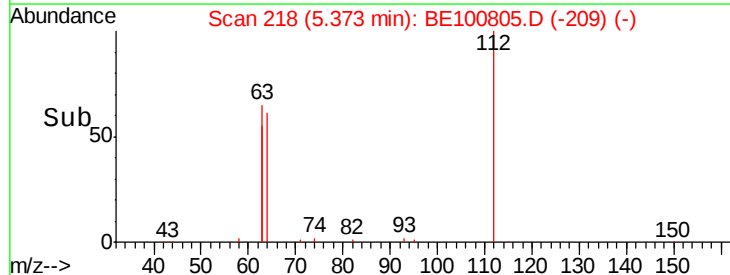
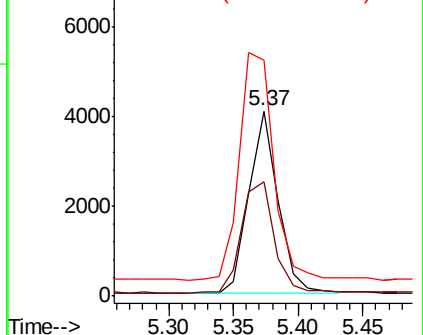
112 100

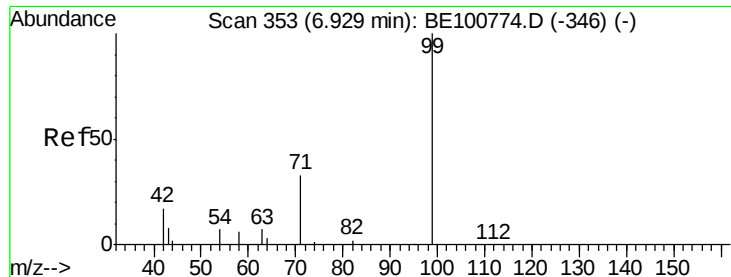
64 68.1 54.1 81.1

63 145.0 113.2 169.8



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: 0.478 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

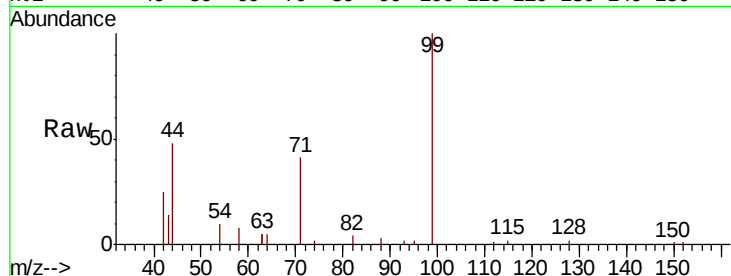
Tot Ion: 99 Resp: 9751

Ion Ratio Lower Upper

99 100

42 23.0 19.1 28.7

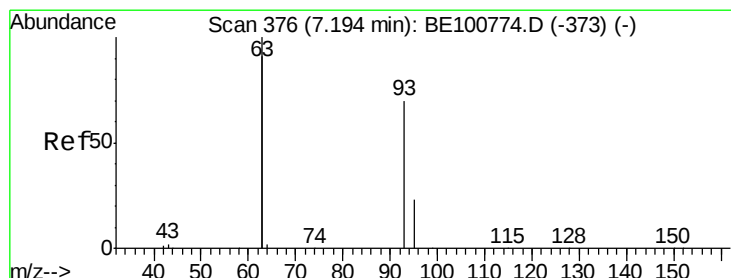
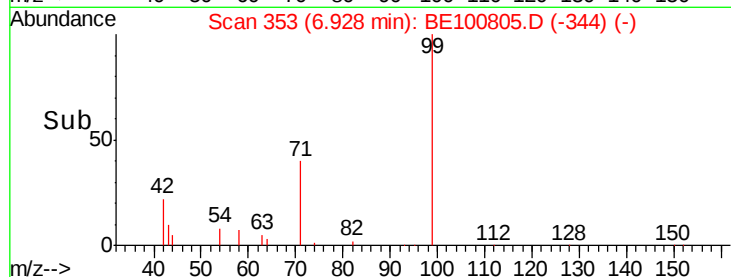
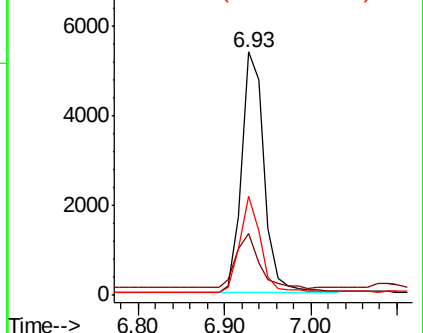
71 37.1 27.7 41.5



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: 0.393 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

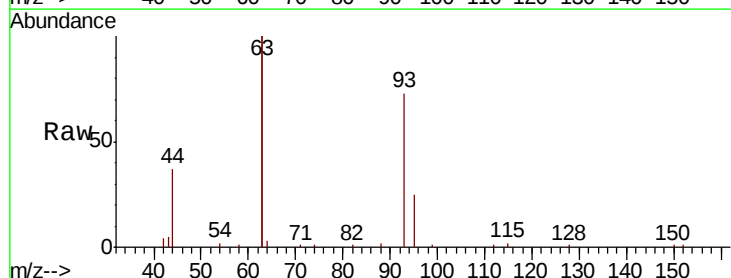
Tgt Ion: 93 Resp: 7743

Ion Ratio Lower Upper

93 100

63 329.1 259.4 389.0

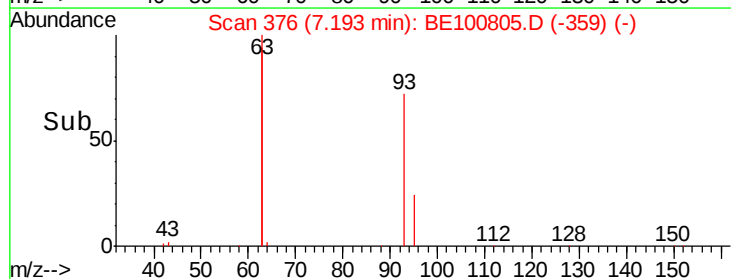
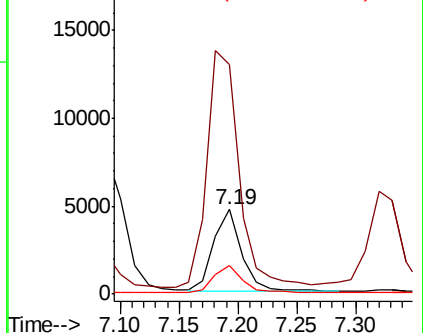
95 34.3 26.2 39.2

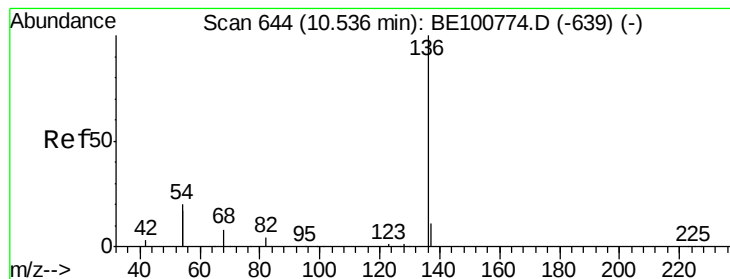


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

Tot Ion:136 Resp: 28401

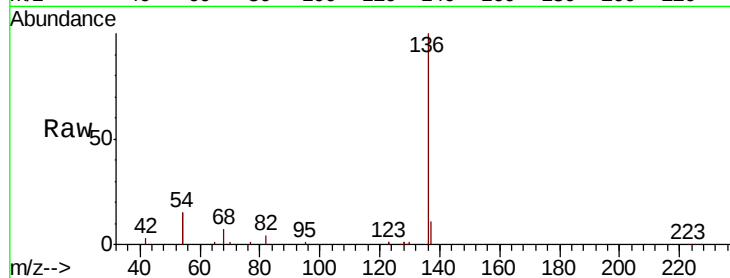
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 30.2 31.1 46.7#

68 6.8 6.6 10.0

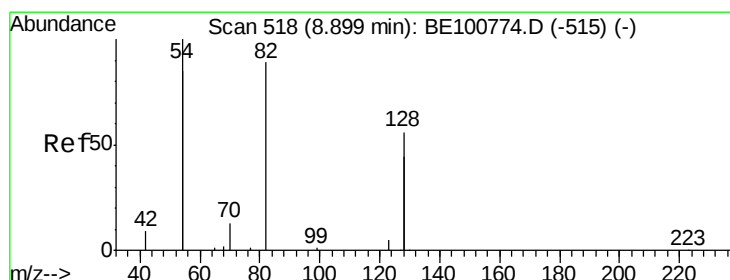
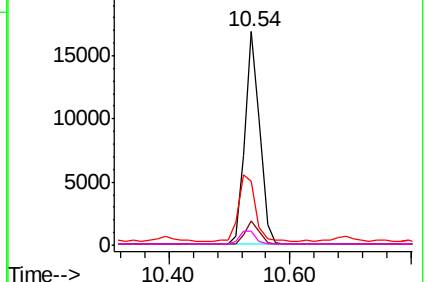
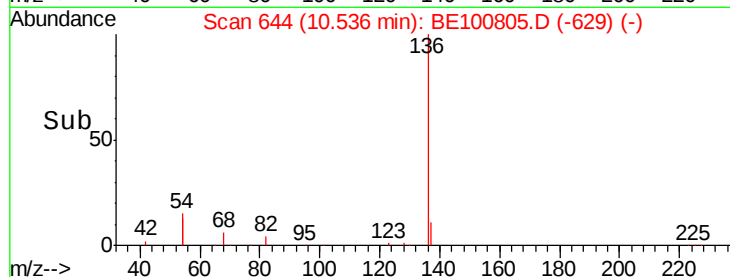


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.544 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

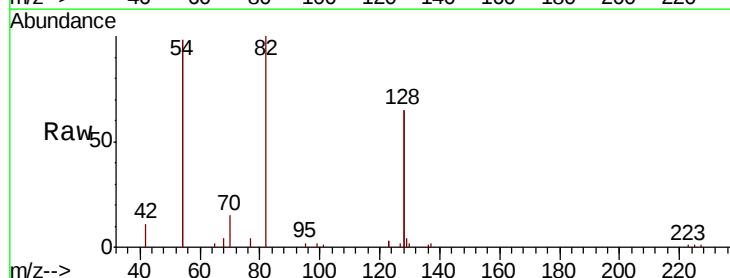
Tgt Ion: 82 Resp: 7357

Ion Ratio Lower Upper

82 100

128 129.2 97.0 145.4

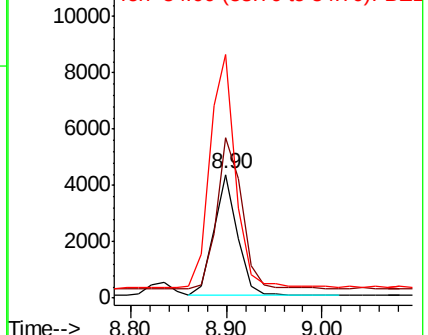
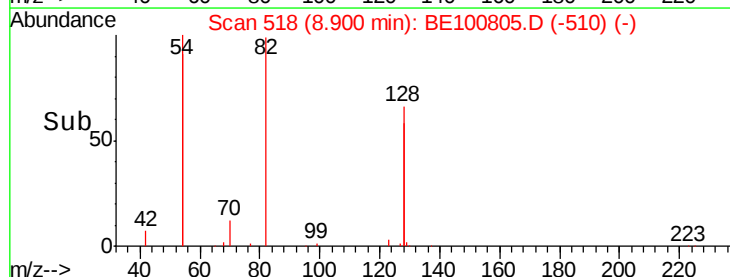
54 196.5 171.8 257.6

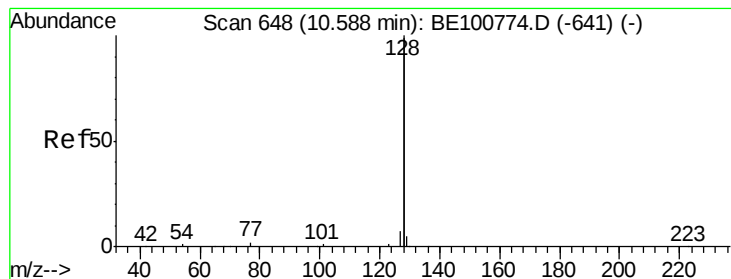


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.377 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

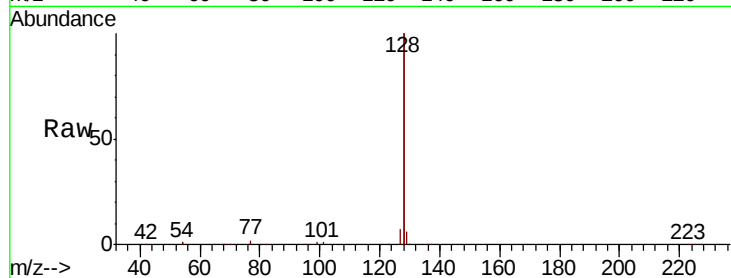
Tot Ion:128 Resp: 113749

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

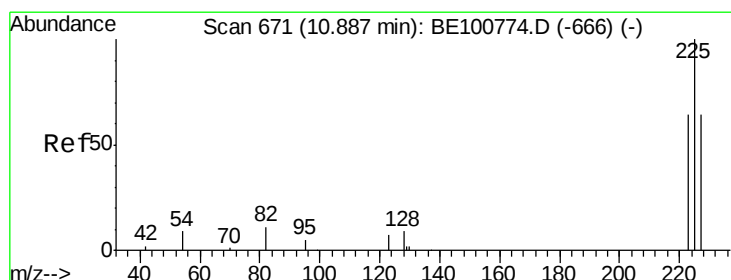
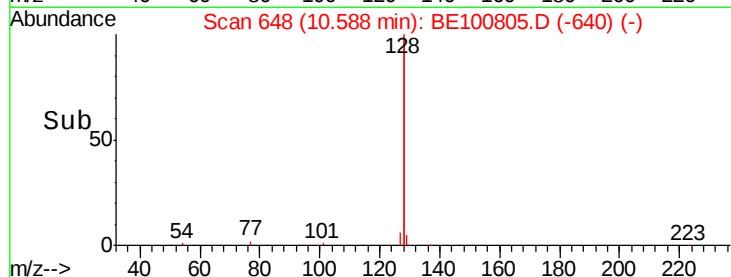
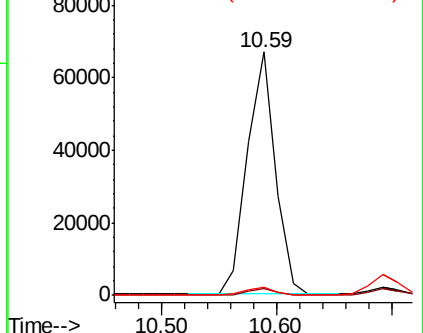
127 3.3 2.7 4.1



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: 0.373 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

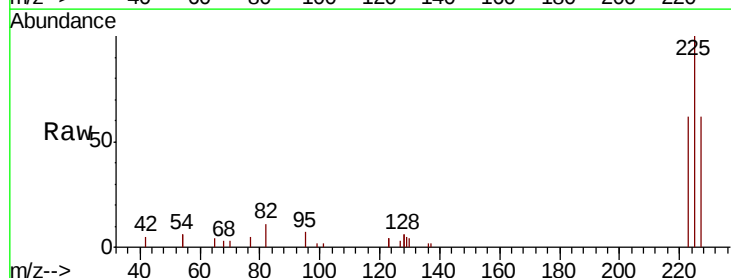
Tgt Ion:225 Resp: 4392

Ion Ratio Lower Upper

225 100

223 62.2 49.9 74.9

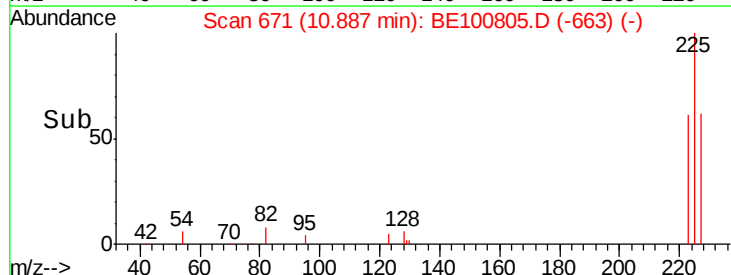
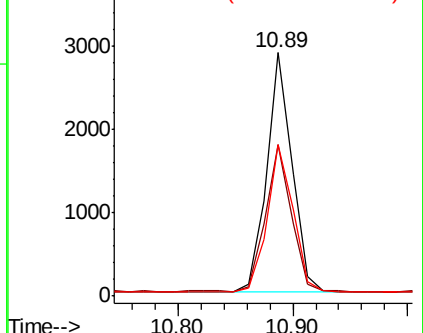
227 63.3 52.2 78.4

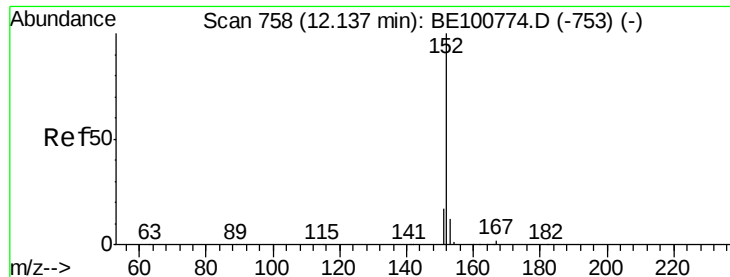


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

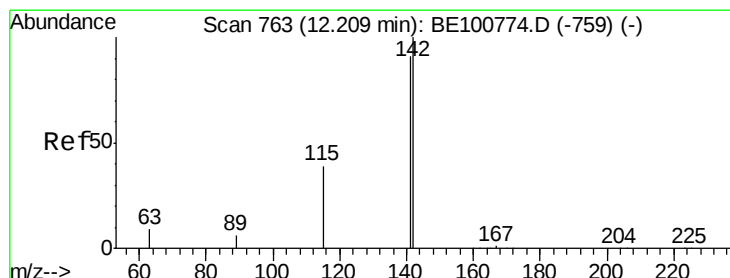
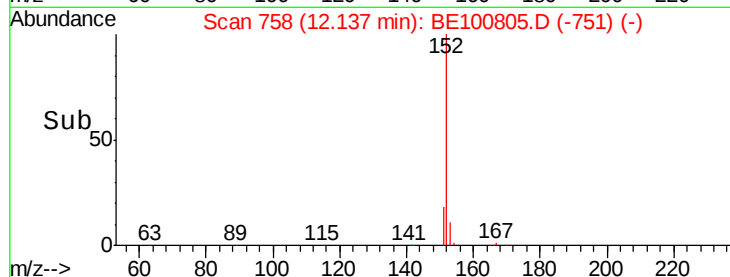
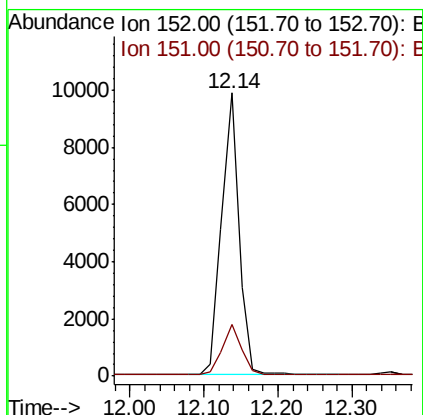
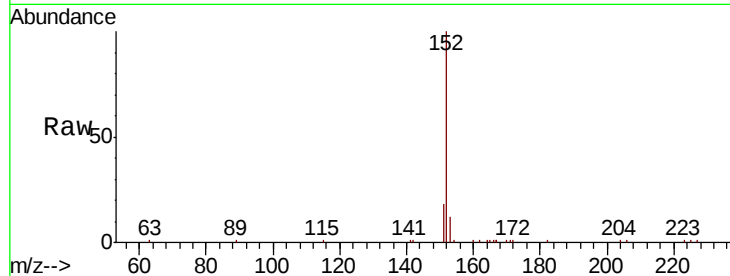




#11
 2-Methylnaphthalene-d10
 Concen: 0.390 ng
 RT: 12.14 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BE100805.D
 Acq: 10 Dec 2019 10:58

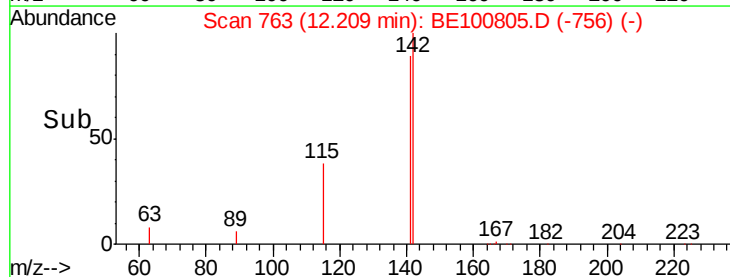
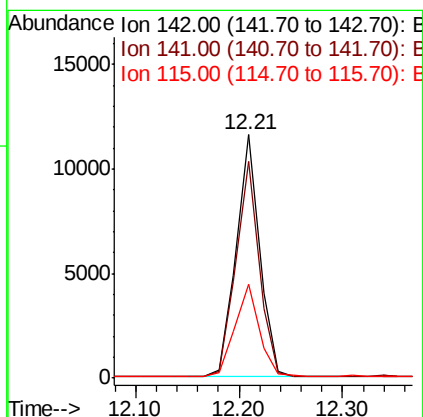
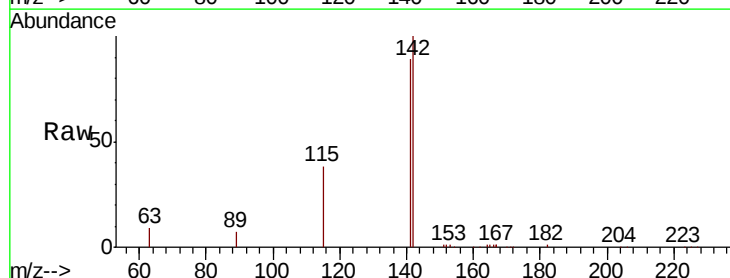
Instrument :
 BNA_E
 ClientSampleId :
 SSTDCCC0.4

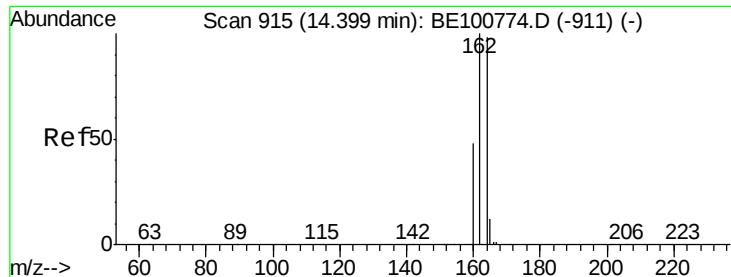
Tot Ion:152 Resp: 16068
 Ion Ratio Lower Upper
 152 100
 151 19.9 15.8 23.8



#12
 2-Methylnaphthalene
 Concen: 0.385 ng
 RT: 12.21 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BE100805.D
 Acq: 10 Dec 2019 10:58

Tgt Ion:142 Resp: 18163
 Ion Ratio Lower Upper
 142 100
 141 89.0 72.6 108.8
 115 38.4 31.8 47.6





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

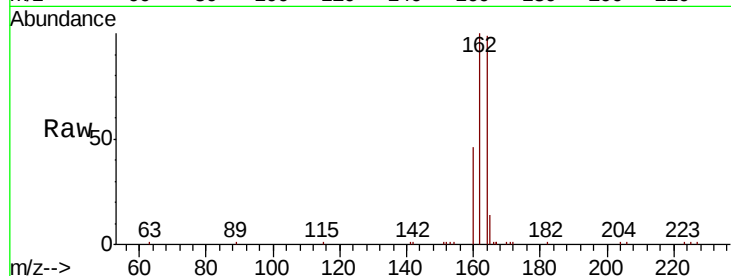
Tot Ion:164 Resp: 16217

Ion Ratio Lower Upper

164 100

162 101.0 81.4 122.0

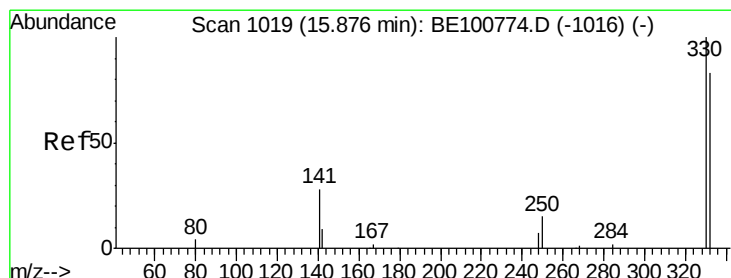
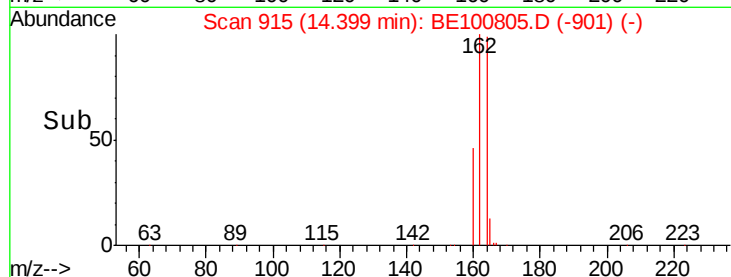
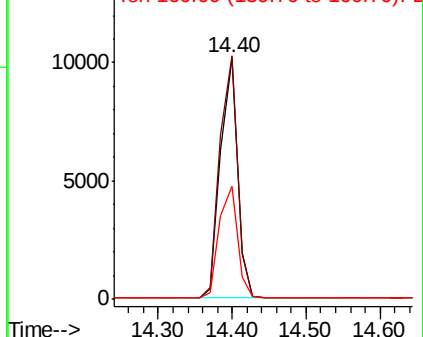
160 46.7 39.4 59.0



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: 0.679 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

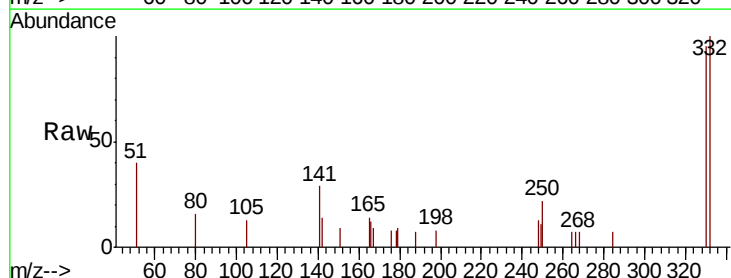
Tgt Ion:330 Resp: 1225

Ion Ratio Lower Upper

330 100

332 97.7 69.4 104.2

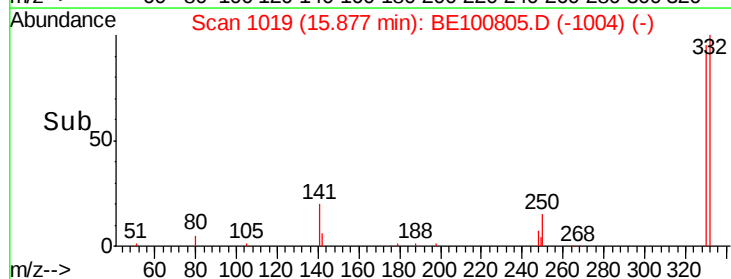
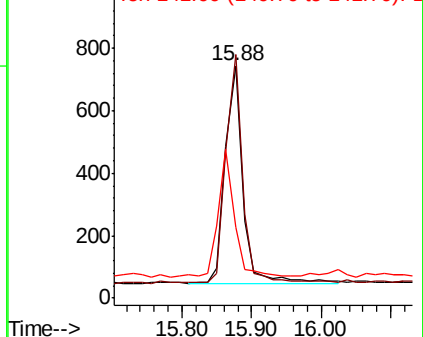
141 52.8 51.1 76.7

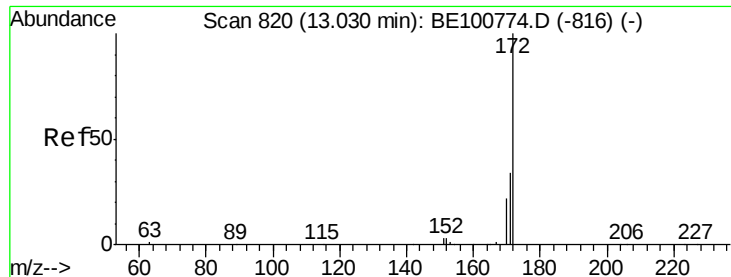


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

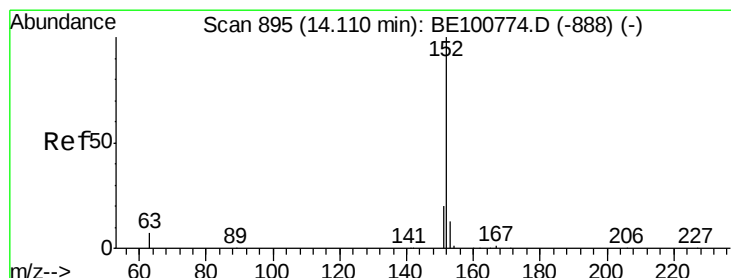
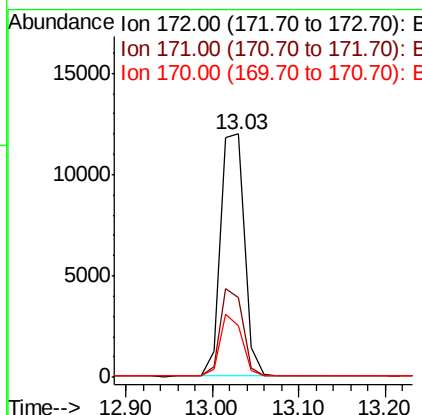
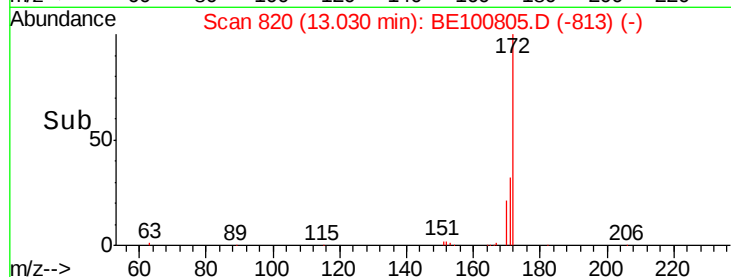
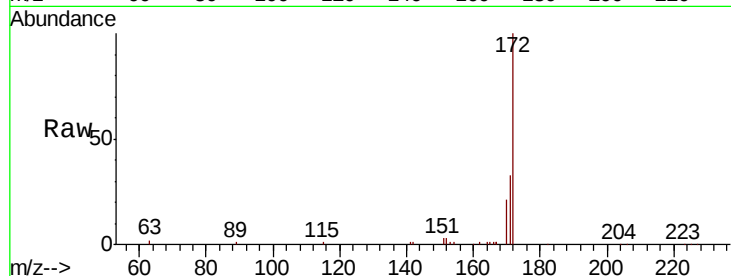




#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

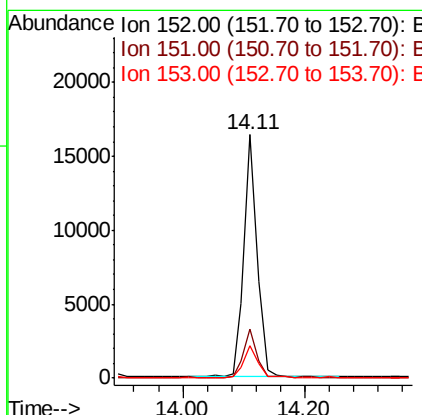
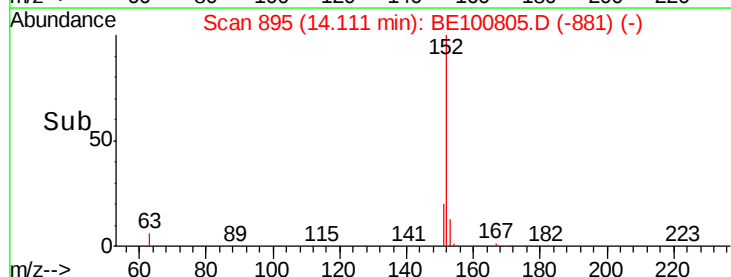
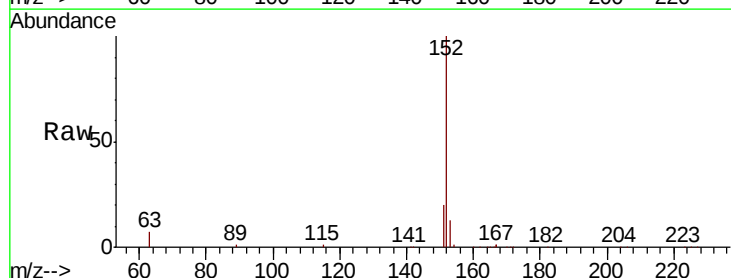
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

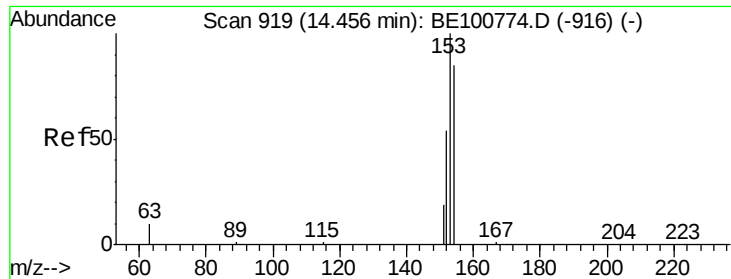
Tot Ion:172 Resp: 22953
Ion Ratio Lower Upper
172 100
171 32.6 27.2 40.8
170 21.0 18.0 27.0



#16
Acenaphthylene
Concen: 0.373 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:152 Resp: 25045
Ion Ratio Lower Upper
152 100
151 19.2 15.8 23.6
153 13.0 10.4 15.6

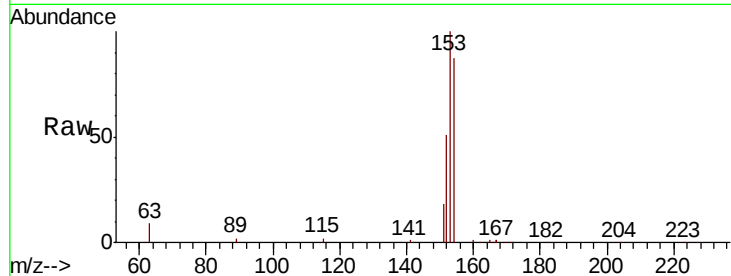




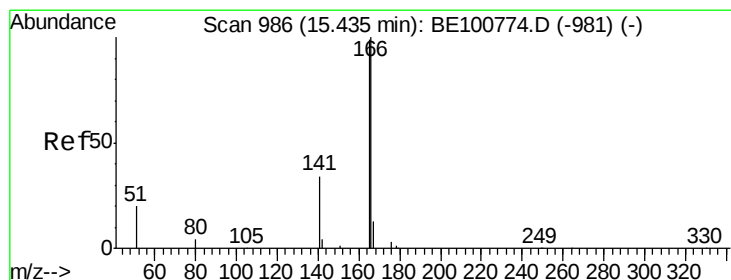
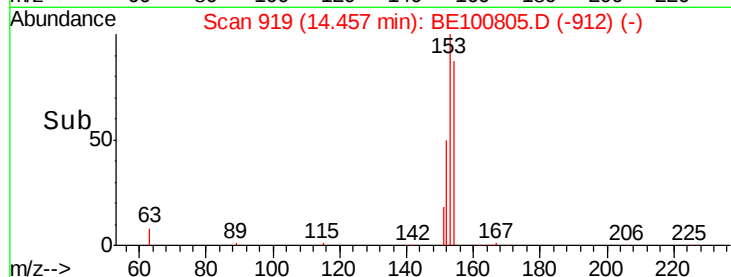
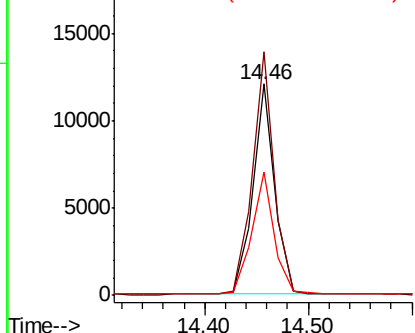
#17
Acenaphthene
Concen: 0.380 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tot Ion:154 Resp: 17569
Ion Ratio Lower Upper
154 100
153 114.1 92.2 138.2
152 59.3 49.1 73.7

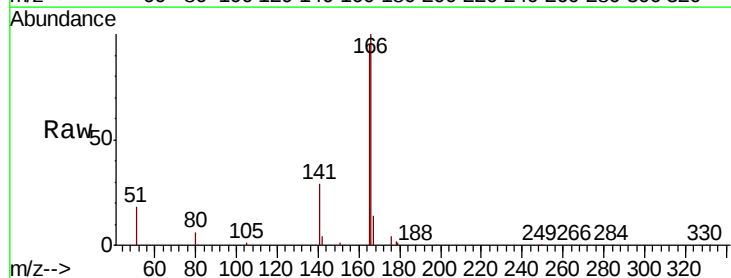


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

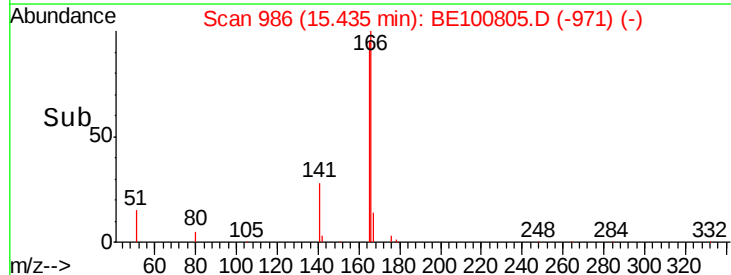
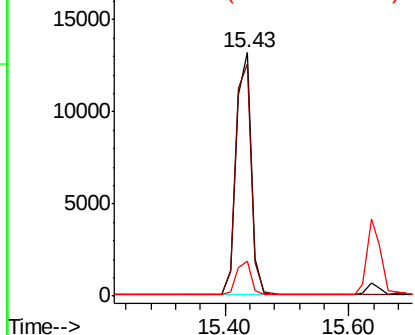


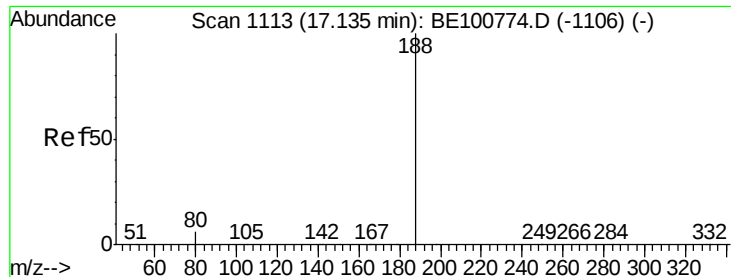
#18
Fluorene
Concen: 0.372 ng
RT: 15.43 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:166 Resp: 22160
Ion Ratio Lower Upper
166 100
165 98.4 80.5 120.7
167 13.8 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

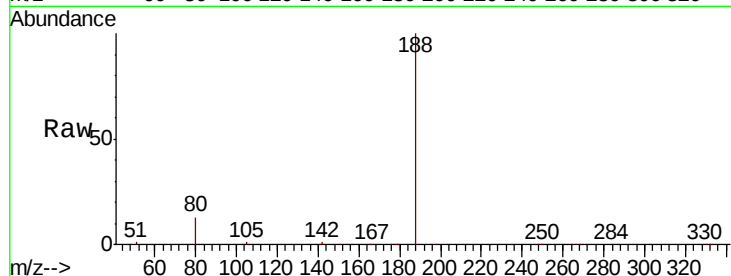
Tot Ion:188 Resp: 34784

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

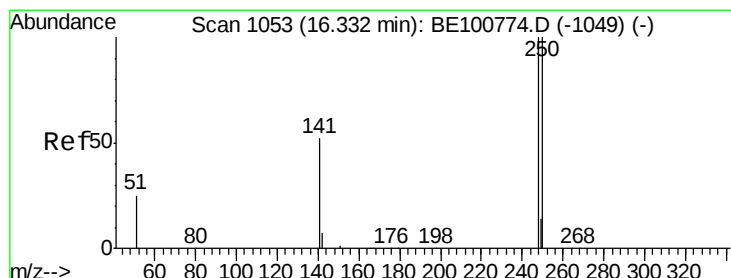
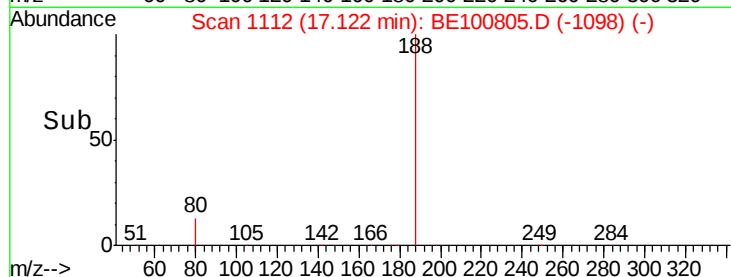
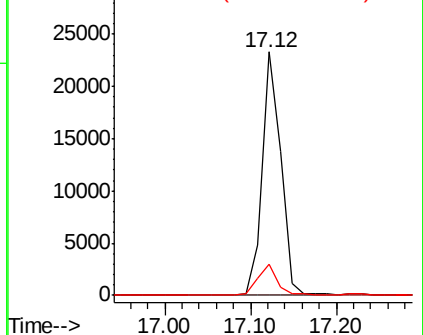
80 12.9 5.2 7.8#



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: 0.382 ng

RT: 16.33 min Scan# 1053

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

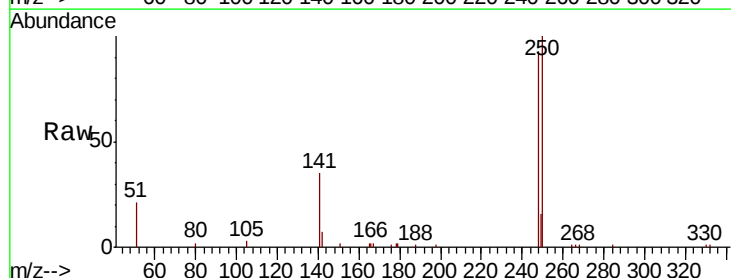
Tgt Ion:248 Resp: 6526

Ion Ratio Lower Upper

248 100

250 107.0 80.5 120.7

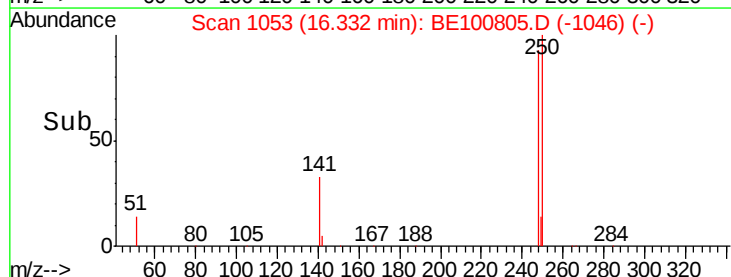
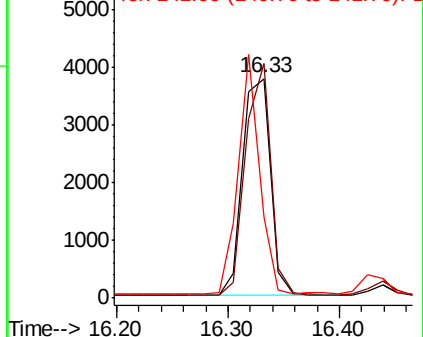
141 37.2 42.6 64.0#

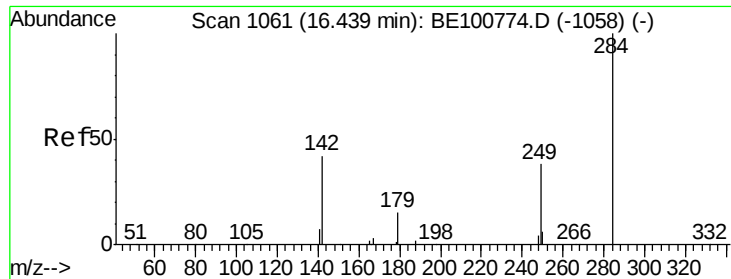


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

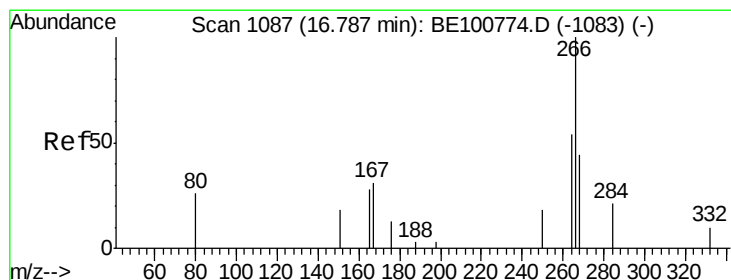
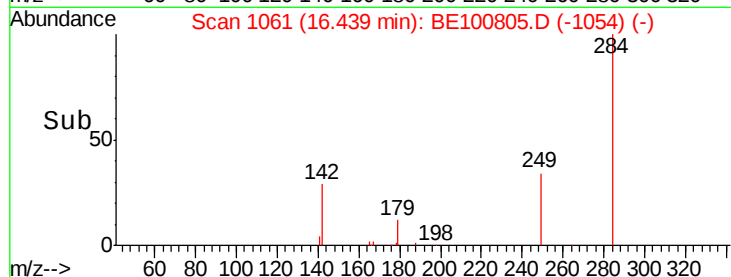
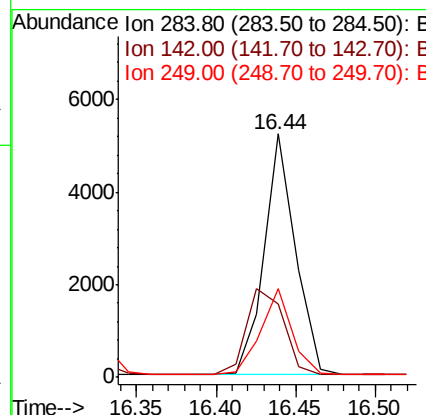
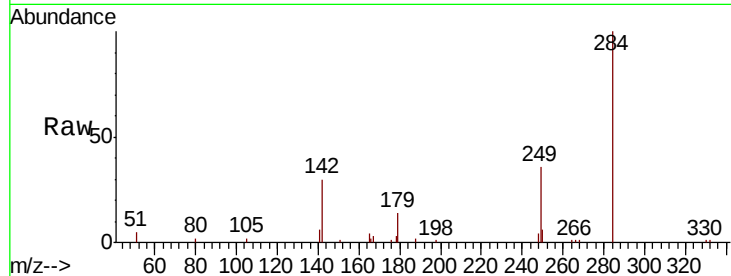




#21
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

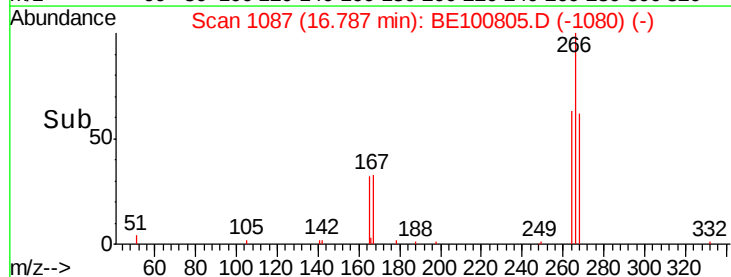
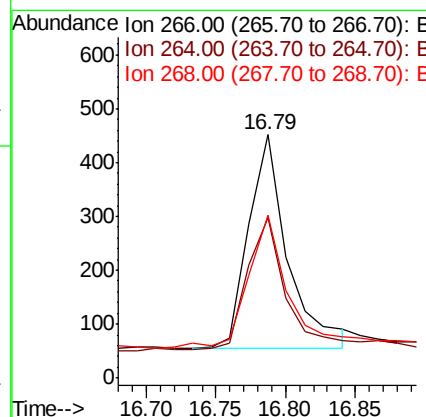
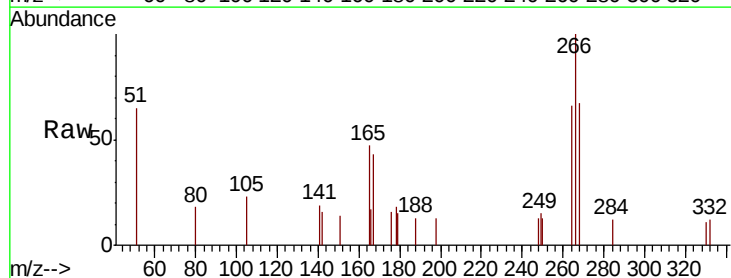
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

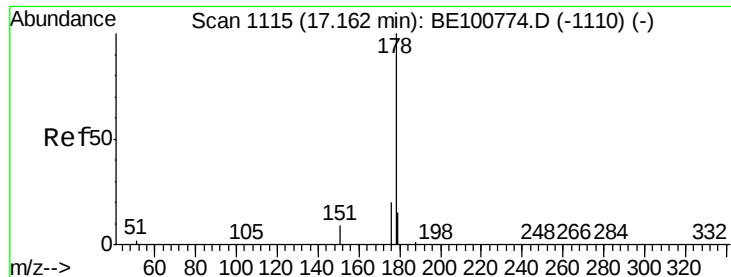
Tot Ion:284 Resp: 7182
Ion Ratio Lower Upper
284 100
142 42.6 34.4 51.6
249 34.9 28.5 42.7



#22
Pentachlorophenol
Concen: 0.604 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:266 Resp: 774
Ion Ratio Lower Upper
266 100
264 65.9 63.4 95.0
268 67.0 65.8 98.8





#23

Phenanthrene

Concen: 0.369 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

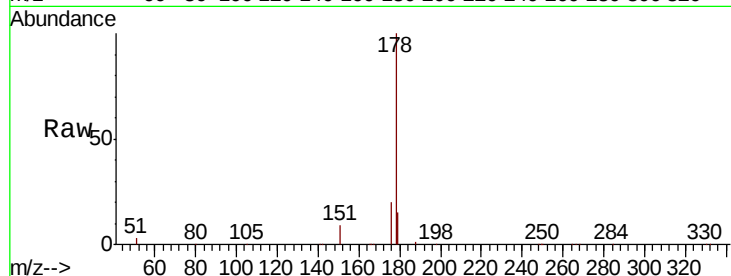
Tot Ion:178 Resp: 38870

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

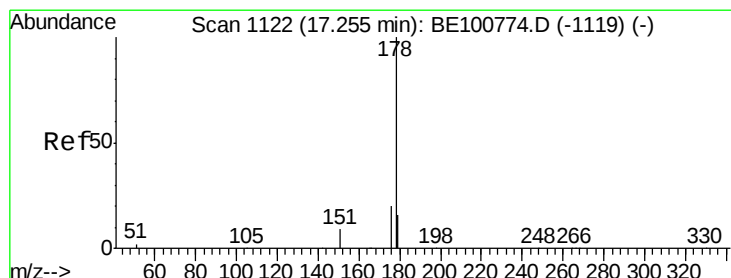
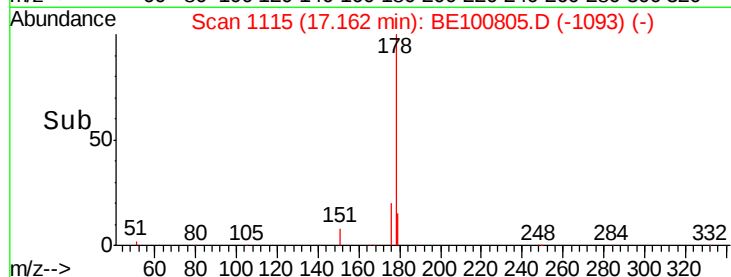
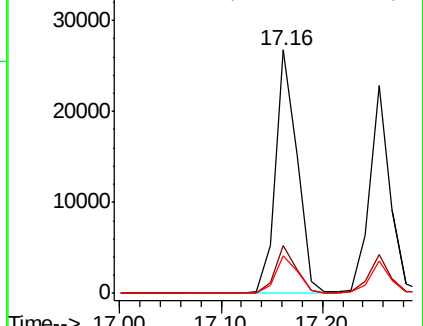
179 15.6 12.3 18.5



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



#24

Anthracene

Concen: 0.360 ng

RT: 17.26 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

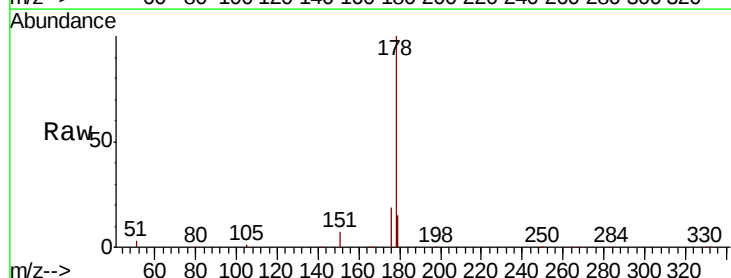
Tgt Ion:178 Resp: 31730

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.2

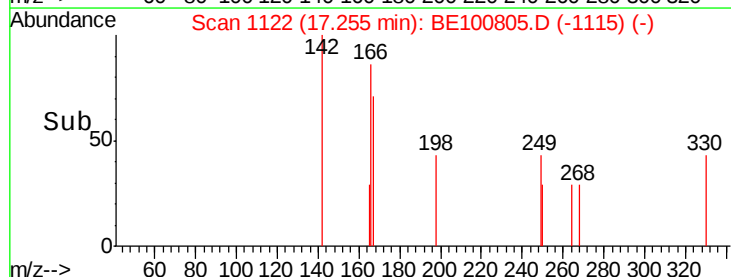
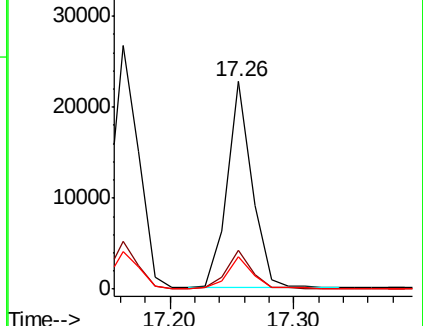
179 15.1 12.7 19.1

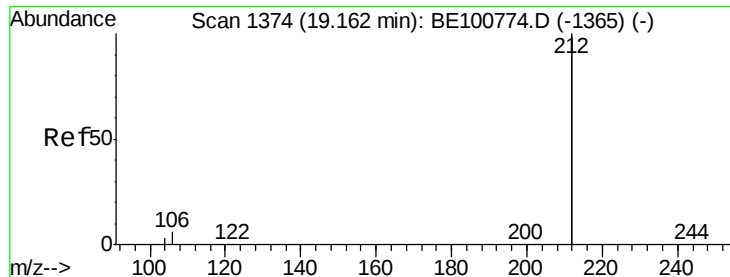


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.326 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

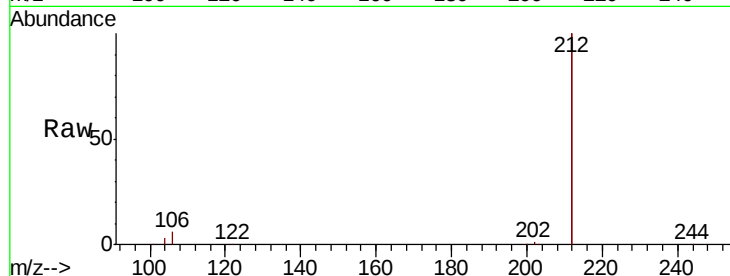
Tot Ion:212 Resp: 133853

Ion Ratio Lower Upper

212 100

106 3.2 2.6 3.8

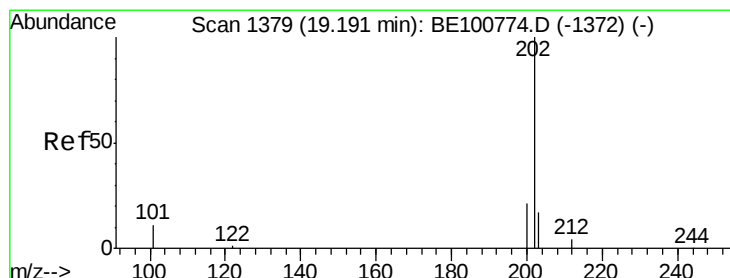
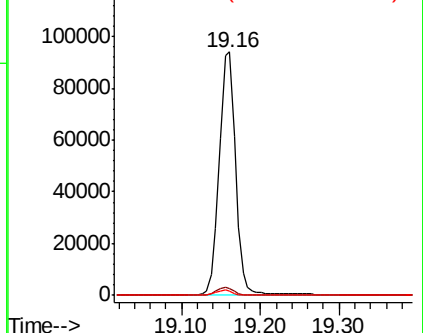
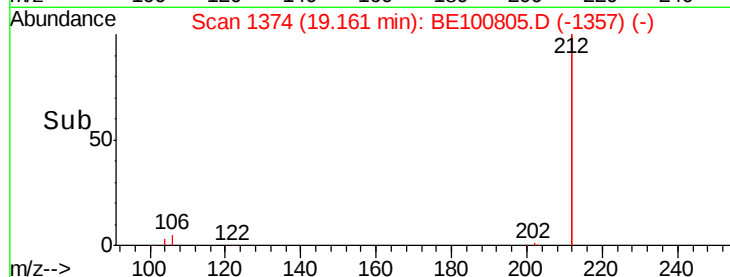
104 1.8 1.4 2.2



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: 0.319 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

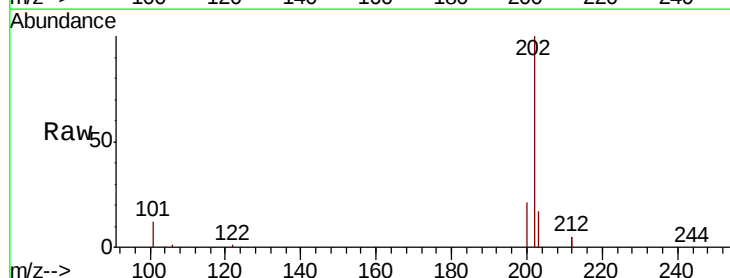
Tgt Ion:202 Resp: 40107

Ion Ratio Lower Upper

202 100

101 11.8 9.1 13.7

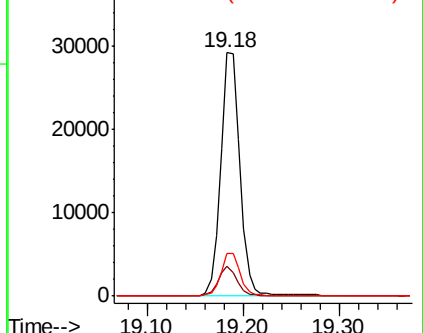
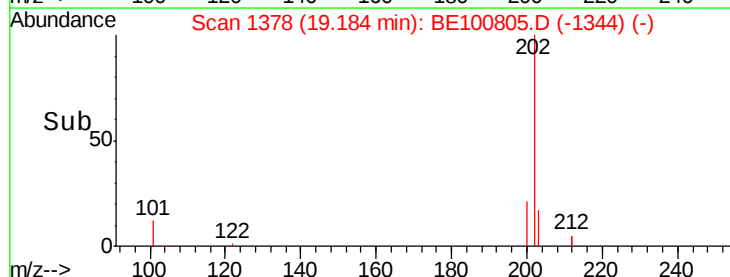
203 17.4 13.8 20.6

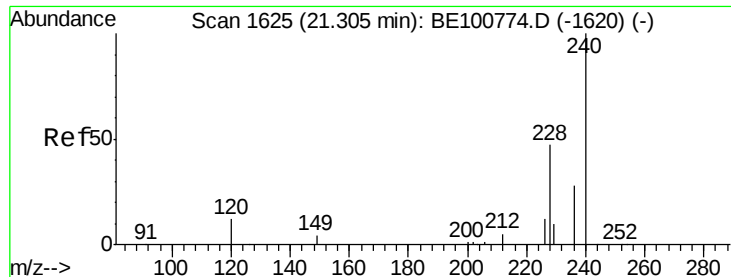


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

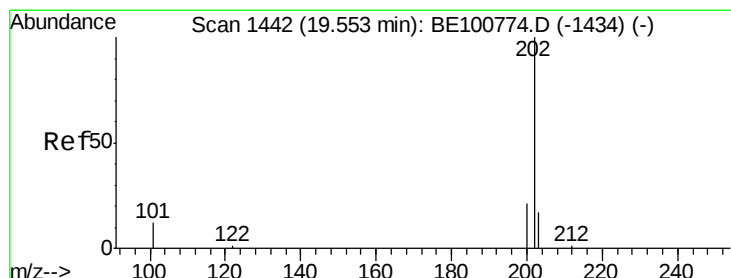
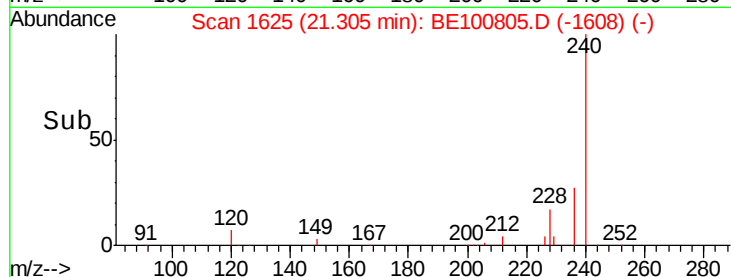
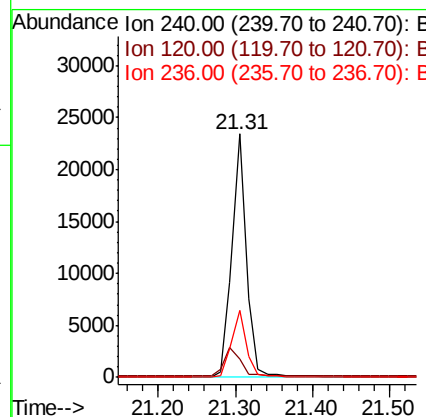
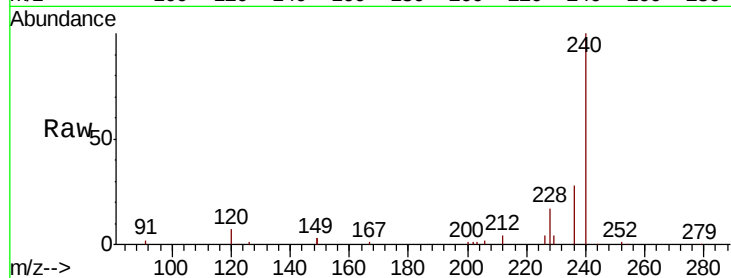




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

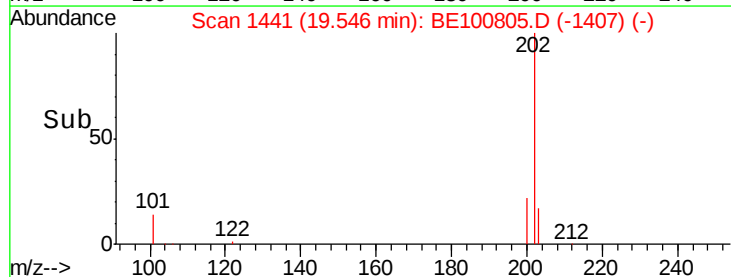
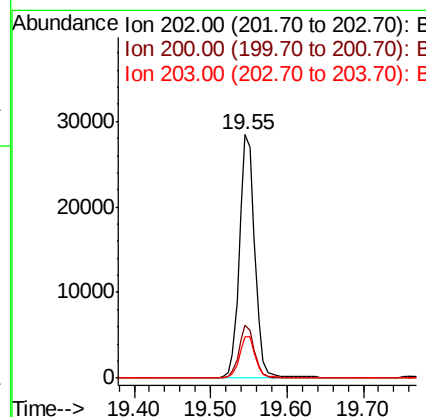
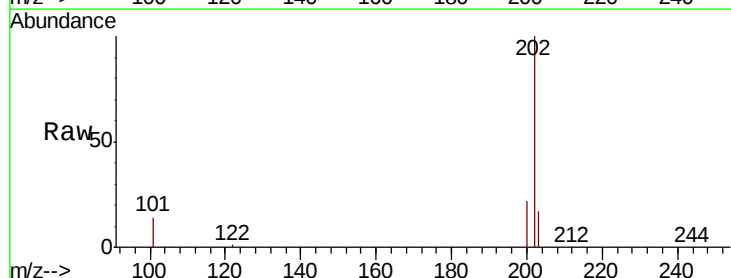
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

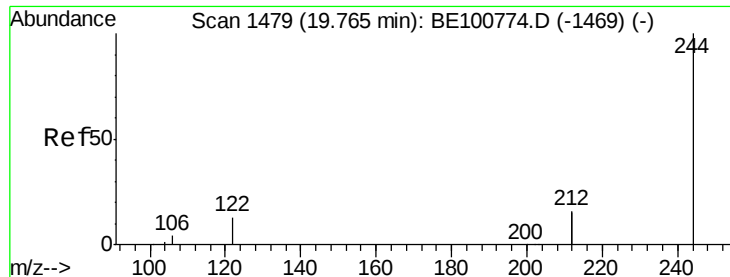
Tot Ion:240 Resp: 30446
Ion Ratio Lower Upper
240 100
120 7.5 10.2 15.2#
236 27.7 22.3 33.5



#28
Pyrene
Concen: 0.400 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:202 Resp: 39605
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.3 13.9 20.9





#29

Terphenyl-d14

Concen: 0.391 ng

RT: 19.76 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

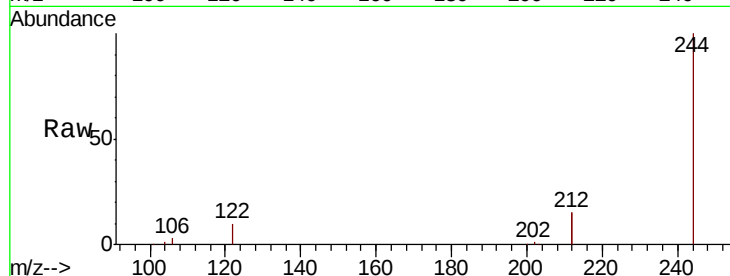
Tot Ion:244 Resp: 28494

Ion Ratio Lower Upper

244 100

212 30.3 26.2 39.4

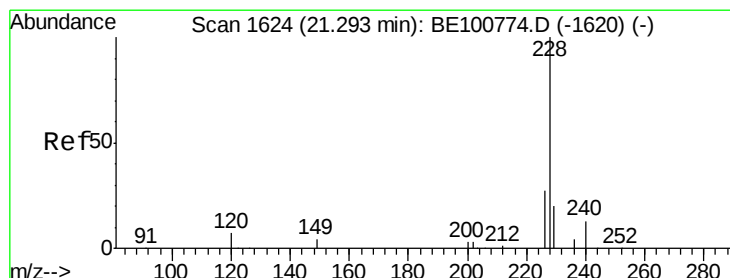
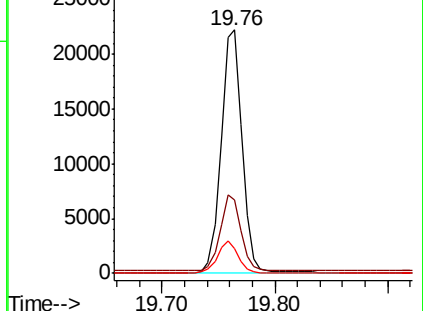
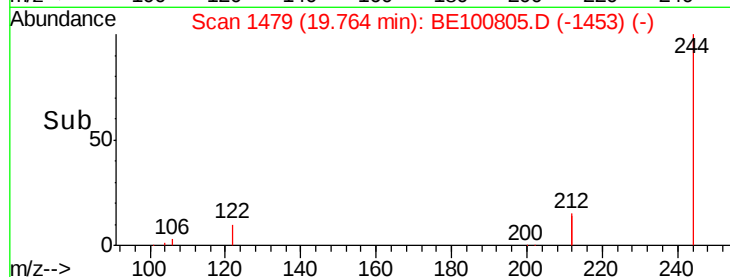
122 10.1 10.2 15.4#



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: 0.416 ng

RT: 21.29 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

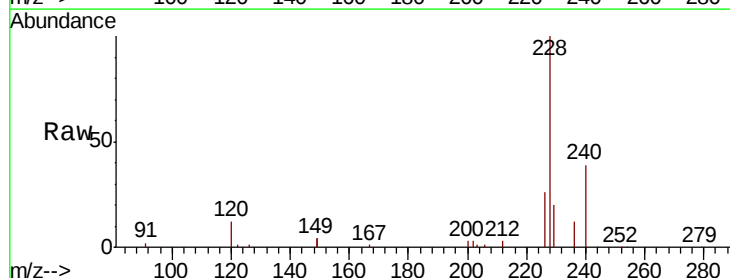
Tgt Ion:228 Resp: 37310

Ion Ratio Lower Upper

228 100

226 25.7 21.5 32.3

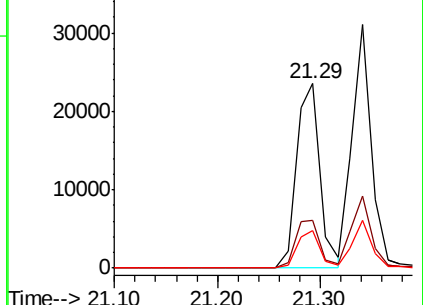
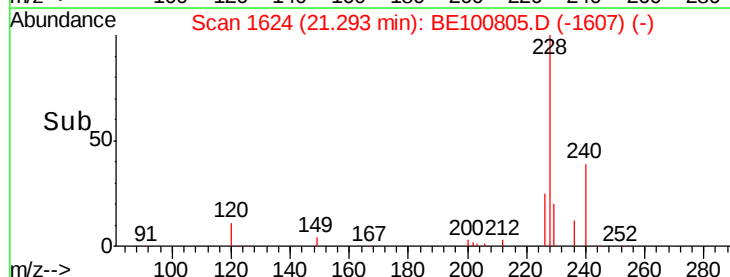
229 20.1 16.0 24.0

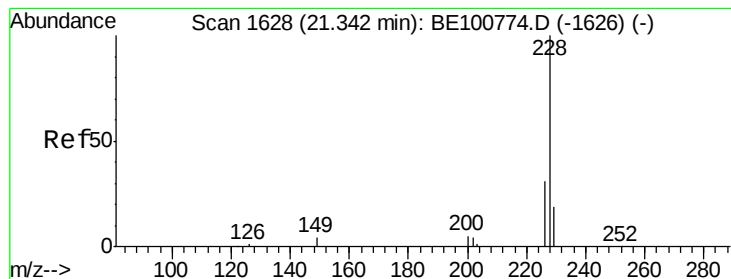


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.376 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

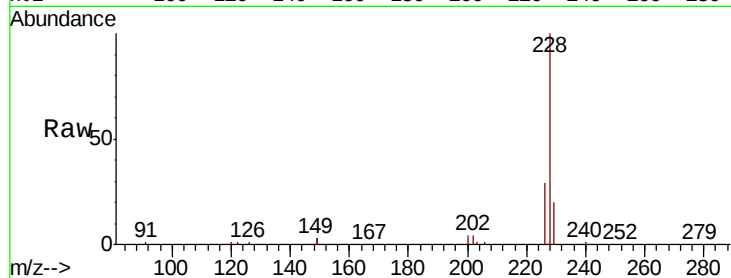
Tot Ion:228 Resp: 39628

Ion Ratio Lower Upper

228 100

226 29.5 25.0 37.4

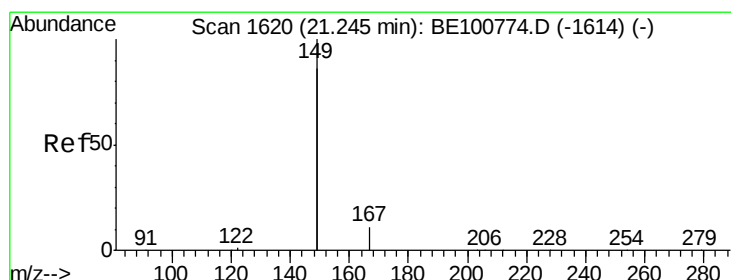
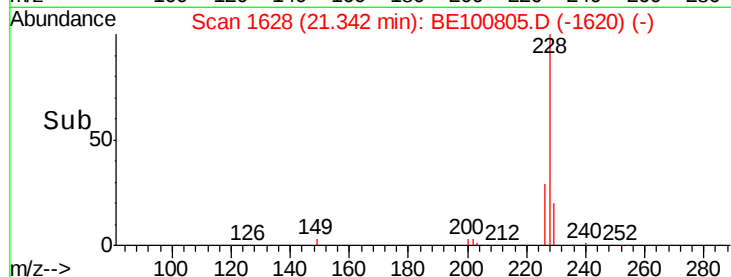
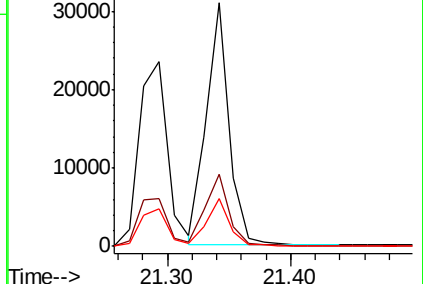
229 19.9 15.4 23.2



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: 0.752 ng

RT: 21.24 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

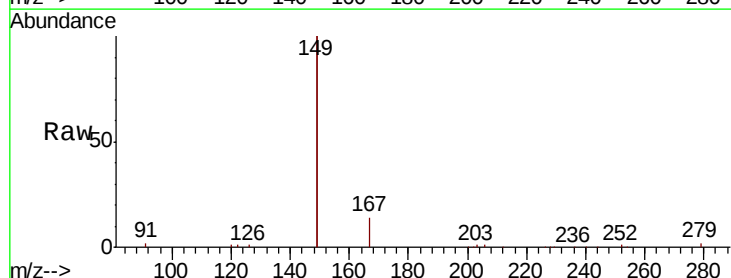
Tgt Ion:149 Resp: 49023

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.6

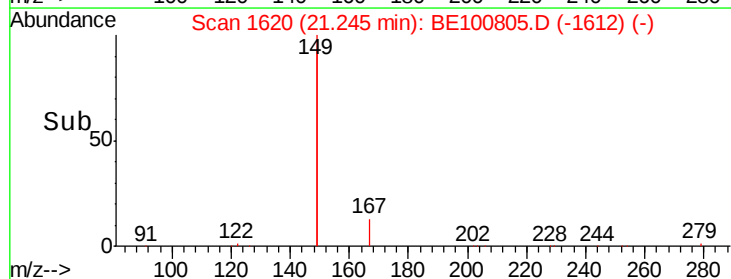
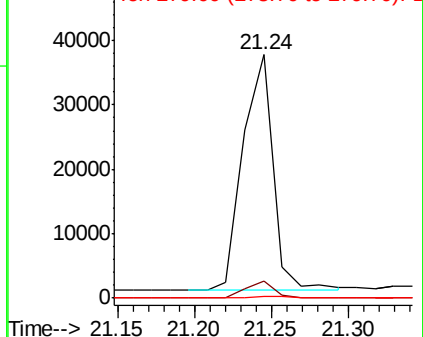
279 0.9 0.7 1.1

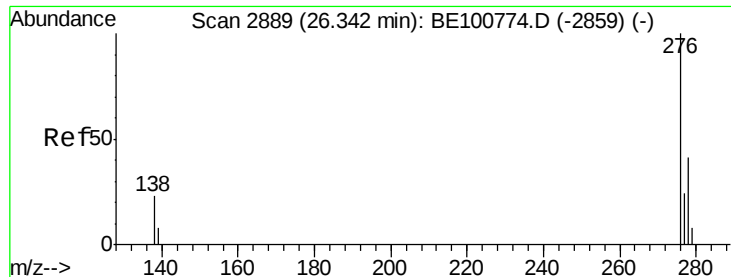


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.466 ng

RT: 26.32 min Scan# 2883

Delta R.T. -0.02 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

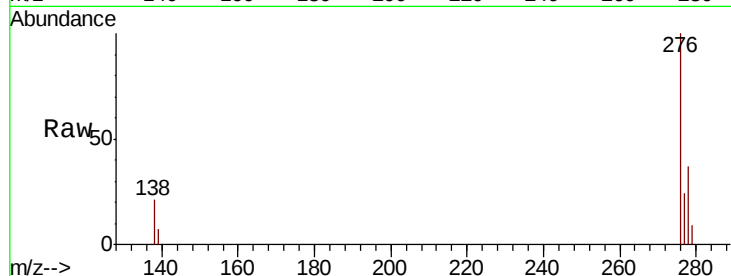
Tot Ion:276 Resp: 42825

Ion Ratio Lower Upper

276 100

138 24.1 19.4 29.0

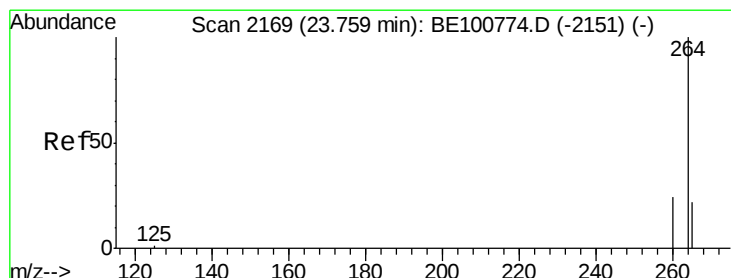
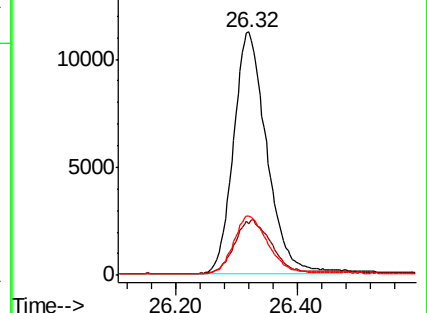
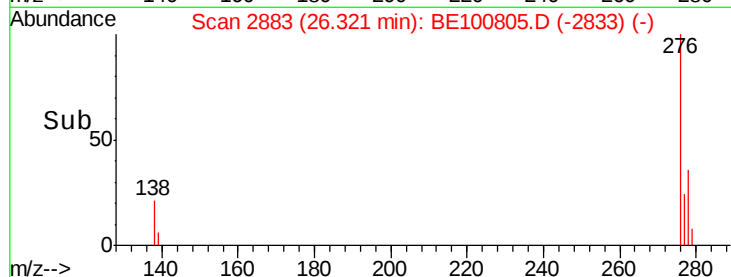
277 24.3 19.8 29.6



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: 23.75 min Scan# 2166

Delta R.T. -0.01 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

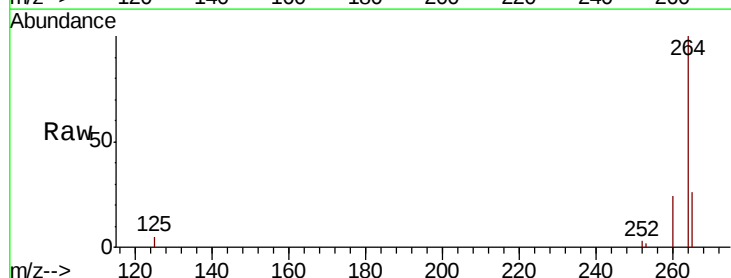
Tgt Ion:264 Resp: 37207

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.2

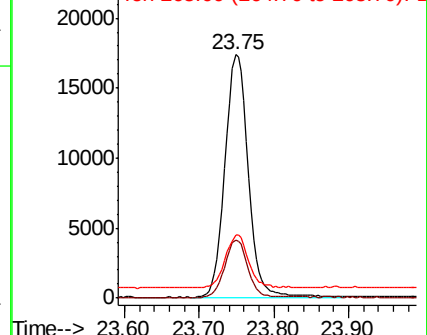
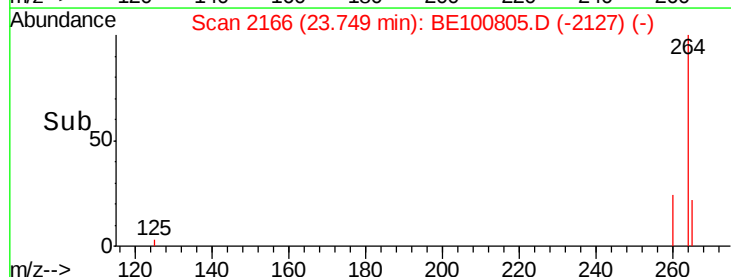
265 25.8 21.8 32.8

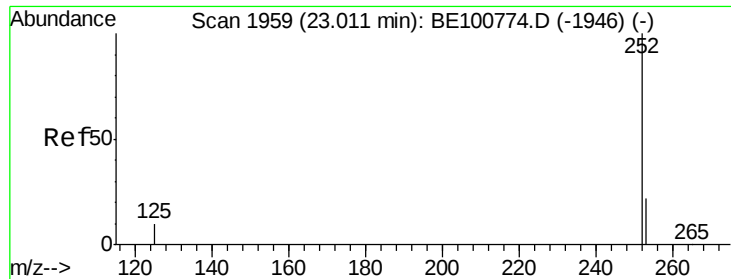


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.367 ng

RT: 23.00 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

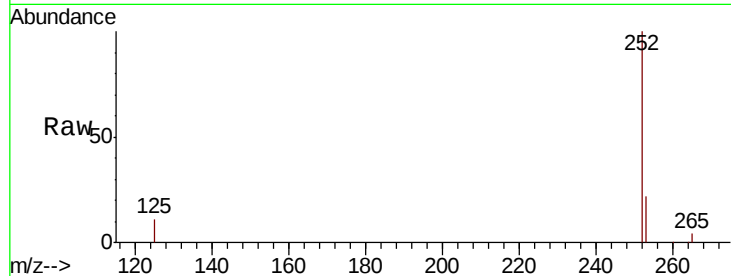
Tot Ion:252 Resp: 37375

Ion Ratio Lower Upper

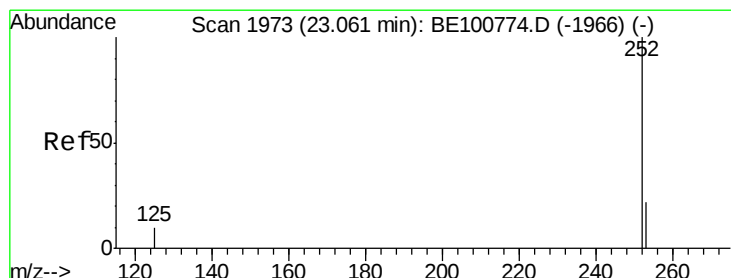
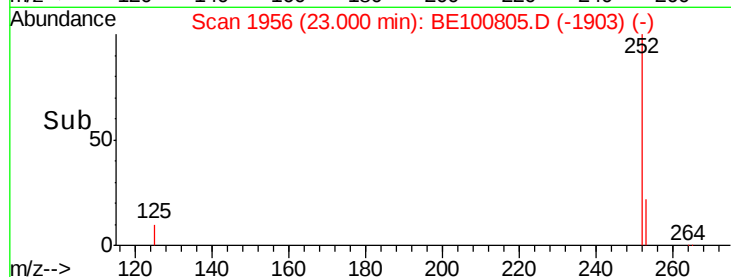
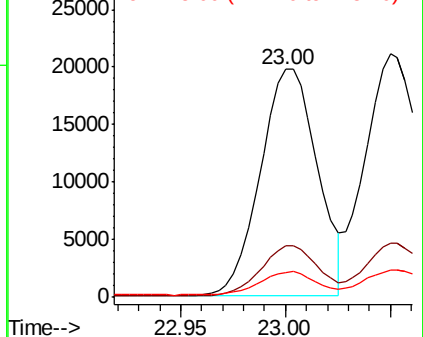
252 100

253 22.5 17.8 26.8

125 11.0 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.358 ng

RT: 23.05 min Scan# 1970

Delta R.T. -0.01 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

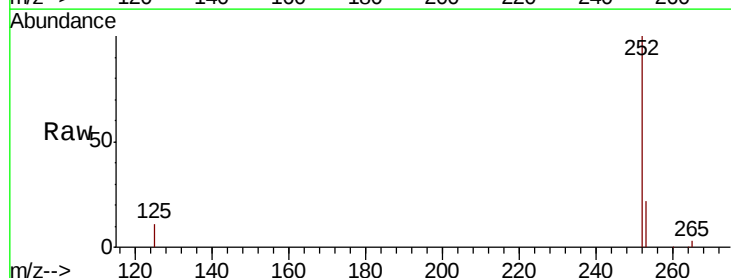
Tgt Ion:252 Resp: 40866

Ion Ratio Lower Upper

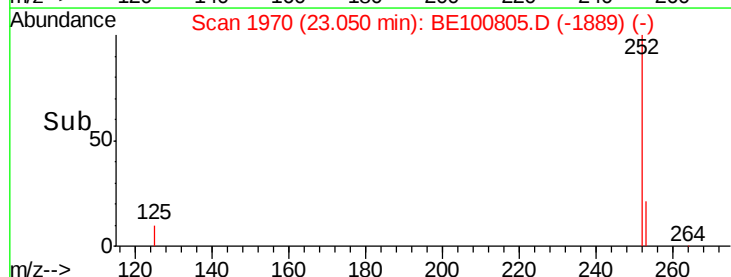
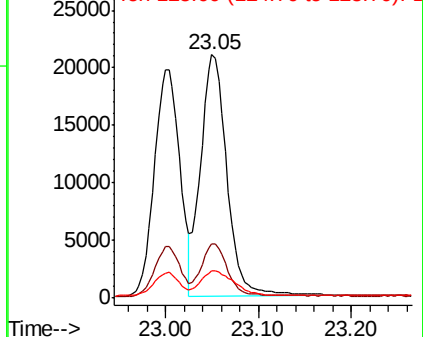
252 100

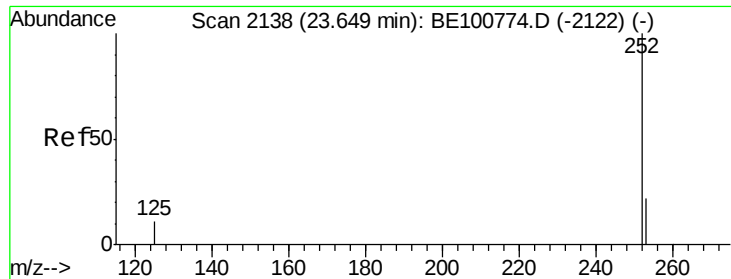
253 22.2 17.8 26.8

125 11.1 8.7 13.1



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.391 ng

RT: 23.64 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

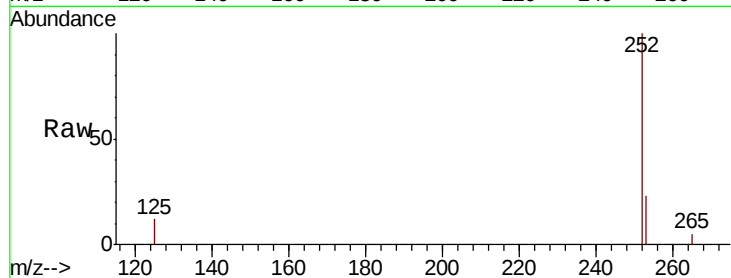
Tot Ion:252 Resp: 34487

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

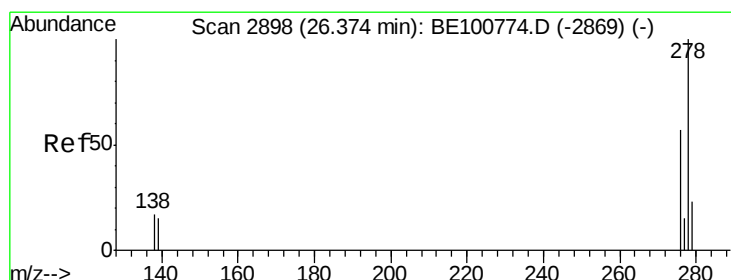
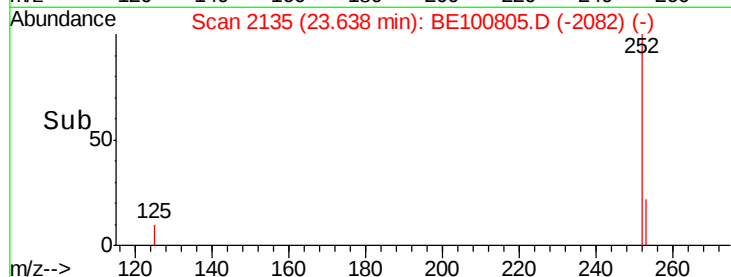
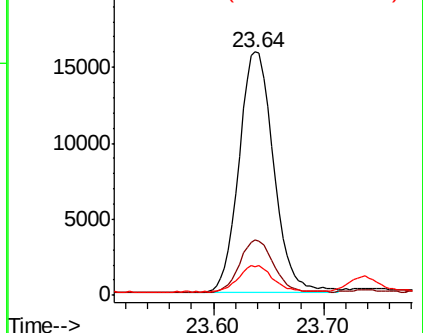
125 11.9 10.4 15.6



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: 0.390 ng

RT: 26.35 min Scan# 2891

Delta R.T. -0.02 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

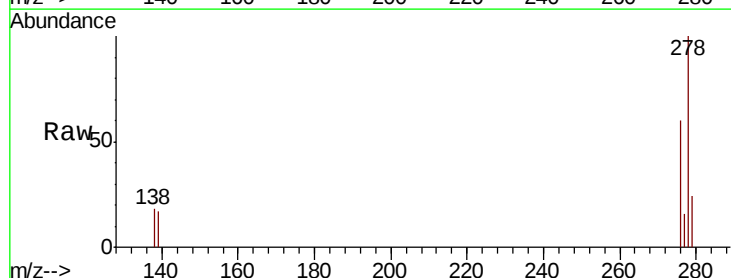
Tgt Ion:278 Resp: 34241

Ion Ratio Lower Upper

278 100

139 17.0 13.0 19.4

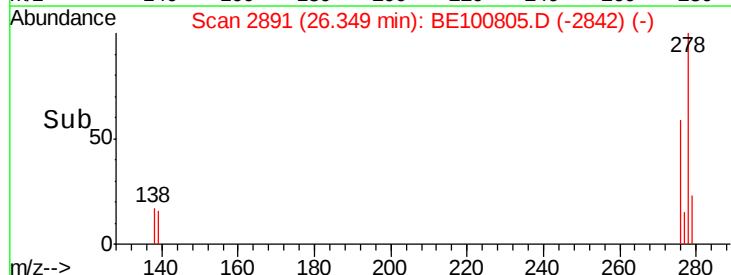
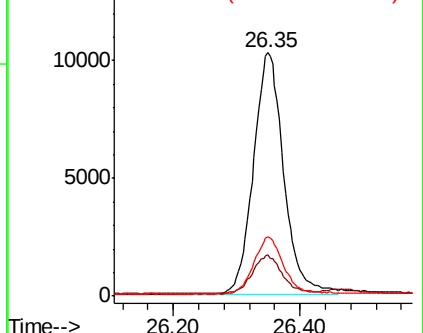
279 24.2 19.6 29.4

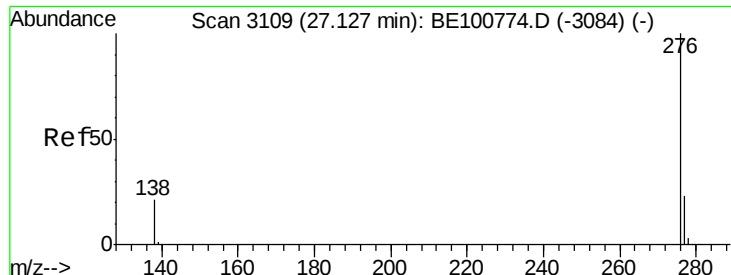


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.389 ng

RT: 27.11 min Scan# 3103

Delta R.T. -0.02 min

Lab File: BE100805.D

Acq: 10 Dec 2019 10:58

Instrument :

BNA_E

ClientSampleId :

SSTDCCC0.4

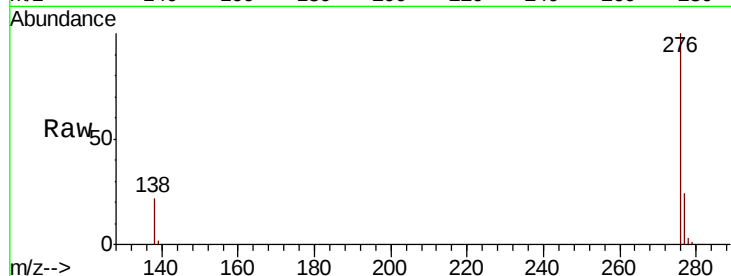
Tot Ion: 276 Resp: 36511

Ion Ratio Lower Upper

276 100

277 24.2 19.3 28.9

138 21.7 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

