

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010820\
 Data File : BE101007.D
 Acq On : 8 Jan 2020 17:08
 Operator : JU
 Sample : SSTDICC5.0
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 08 18:20:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 08 18:14:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	4728	0.40	ng	0.00
7) Naphthalene-d8	10.50	136	18903	0.40	ng	0.00
13) Acenaphthene-d10	14.36	164	11322	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	24240	0.40	ng	0.00
27) Chrysene-d12	21.27	240	24746	0.40	ng	-0.01
34) Perylene-d12	23.70	264	23051	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.33	112	45732	5.72	ng	0.00
5) Phenol-d6	6.90	99	72117	6.43	ng	-0.02
8) Nitrobenzene-d5	8.86	82	76468	8.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.09	152	167279	6.02	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	19312	7.77	ng	-0.01
15) 2-Fluorobiphenyl	12.99	172	200005	4.97	ng	-0.01
25) Fluoranthene-d10	19.13	212	1704589	5.79	ng	0.00
29) Terphenyl-d14	19.73	244	283135	4.98	ng	0.00

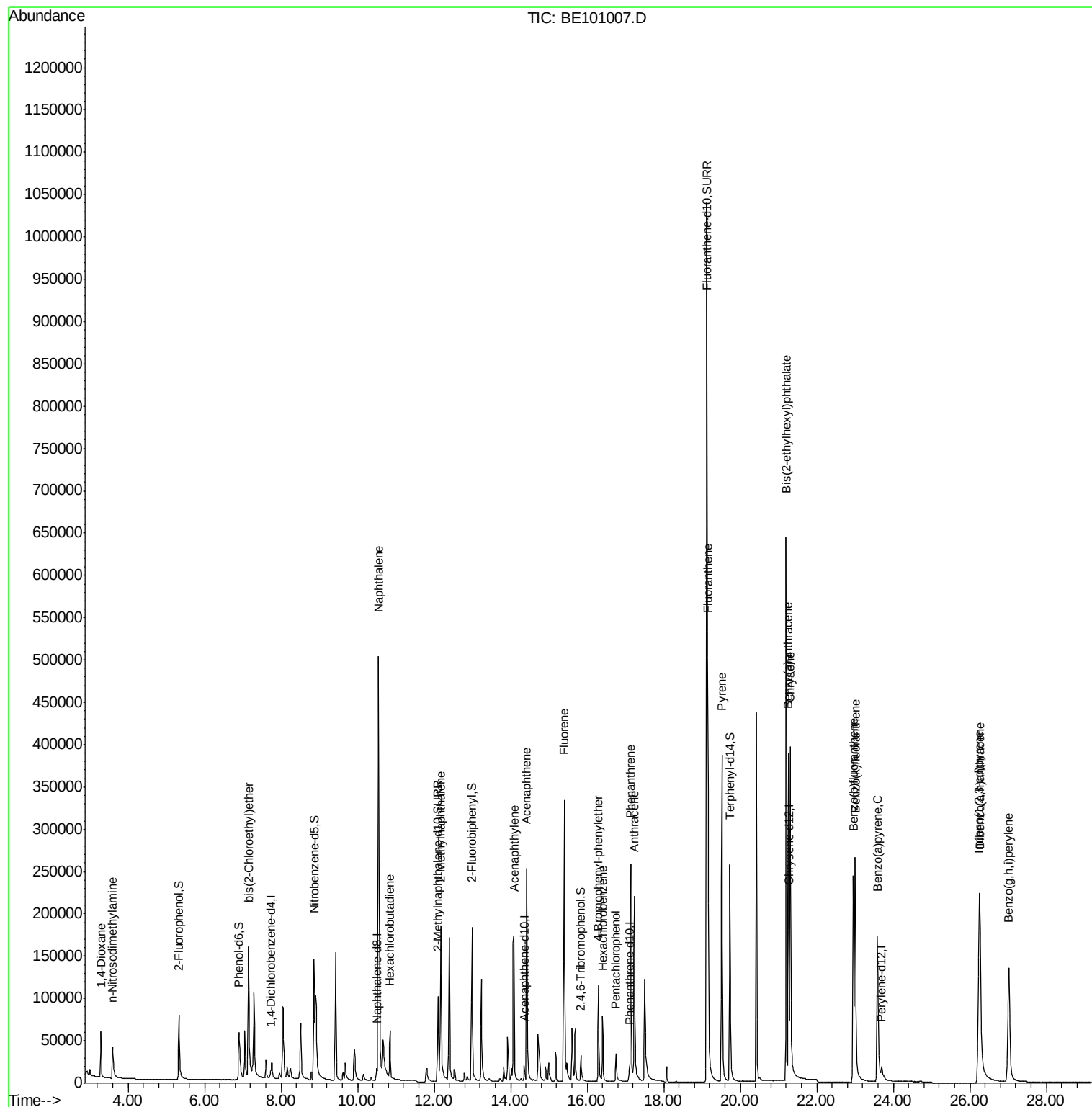
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.29	88	34728	2.080	ng	91
3) n-Nitrosodimethylamine	3.59	42	30450	7.803	ng	# 90
6) bis(2-Chloroethyl)ether	7.15	93	69677	4.077	ng	88
9) Naphthalene	10.55	128	961930	4.786	ng	100
10) Hexachlorobutadiene	10.85	225	39177	4.411	ng	98
12) 2-Methylnaphthalene	12.17	142	159270	5.230	ng	99
16) Acenaphthylene	14.08	152	255723	6.043	ng	100
17) Acenaphthene	14.41	154	163318	5.312	ng	96
18) Fluorene	15.39	166	208217	5.434	ng	99
20) 4-Bromophenyl-phenylether	16.29	248	60386	5.674	ng	99
21) Hexachlorobenzene	16.40	284	61839	4.920	ng	99
22) Pentachlorophenol	16.75	266	21929	11.681	ng	86
23) Phenanthrene	17.14	178	330084	5.283	ng	99
24) Anthracene	17.23	178	331314	5.244	ng	100
26) Fluoranthene	19.16	202	424955	4.988	ng	99
28) Pyrene	19.52	202	421145	4.865	ng	100
30) Benzo(a)anthracene	21.26	228	368835	6.089	ng	97
31) Chrysene	21.31	228	458575	4.066	ng	97
32) Bis(2-ethylhexyl)phthalate	21.20	149	699369	5.249	ng	100
33) Indeno(1,2,3-cd)pyrene	26.24	276	407341	4.798	ng	# 93
35) Benzo(b)fluoranthene	22.95	252	357821	7.374	ng	97
36) Benzo(k)fluoranthene	23.00	252	430891	4.683	ng	96
37) Benzo(a)pyrene	23.59	252	335157	5.916	ng	# 94
38) Dibenzo(a,h)anthracene	26.26	278	328086	6.391	ng	93
39) Benzo(g,h,i)perylene	27.02	276	354163	5.857	ng	99

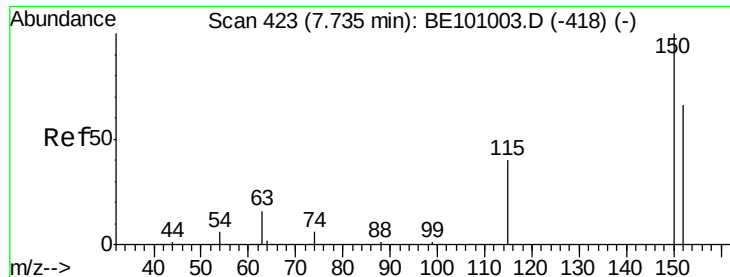
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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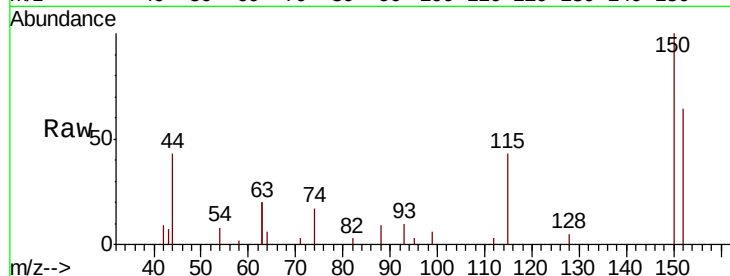


#1

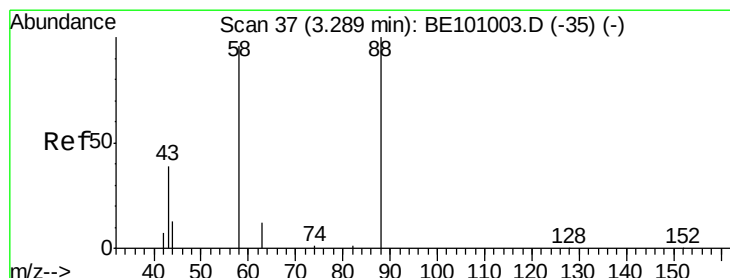
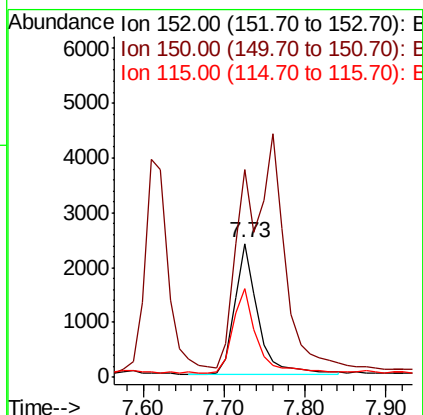
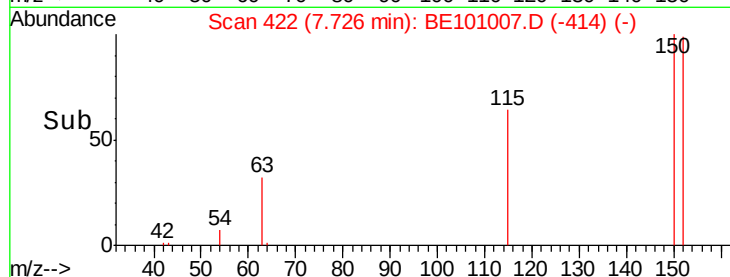
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4728
Ion Ratio Lower Upper
152 100
150 155.5 120.3 180.5
115 66.1 51.7 77.5



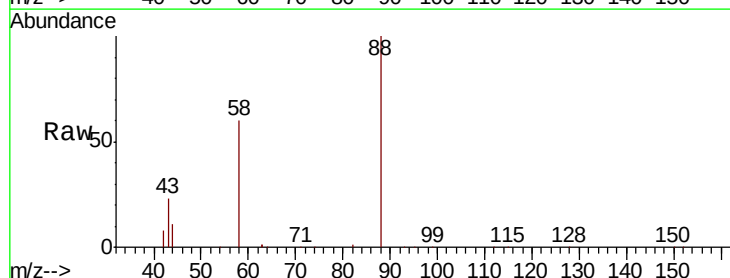
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



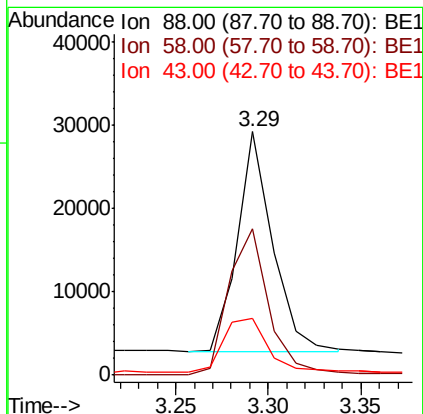
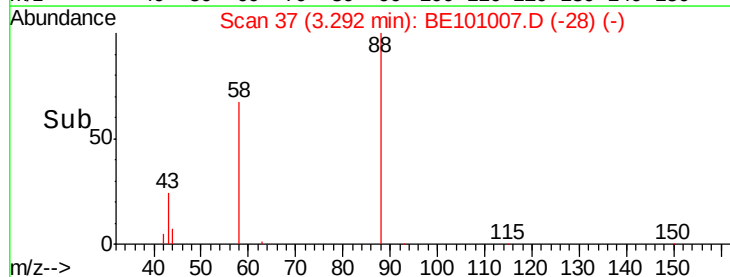
#2

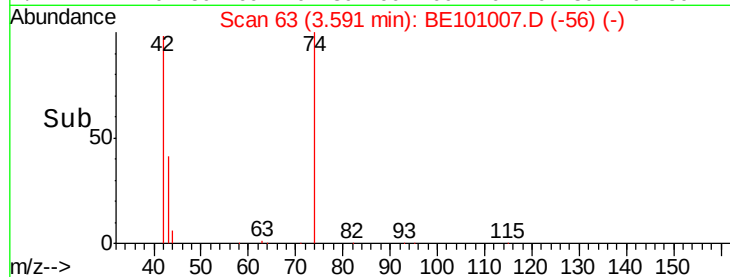
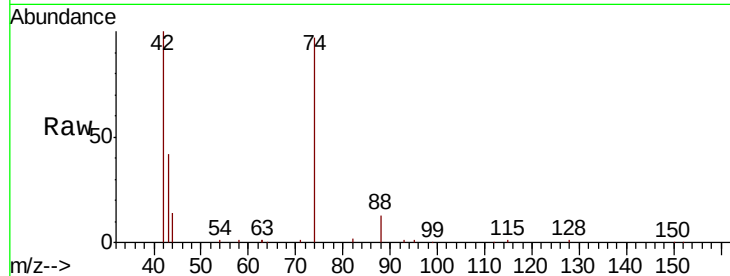
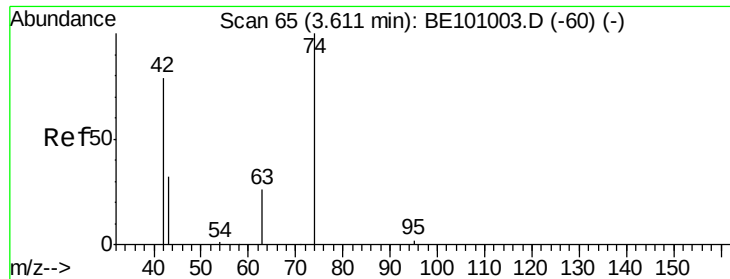
1,4-Dioxane
Concen: 2.080 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

Tgt Ion: 88 Resp: 34728
Ion Ratio Lower Upper
88 100
58 75.3 53.0 79.4
43 30.4 23.4 35.2



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: 7.803 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.02 min

Lab File: BE101007.D

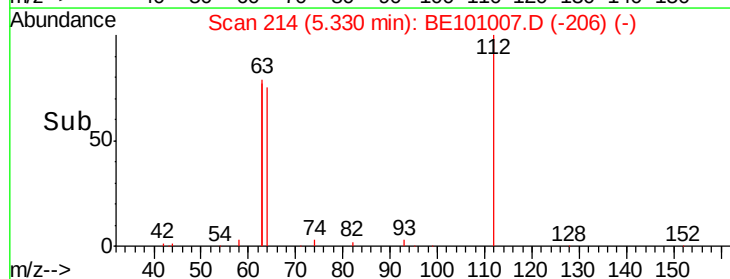
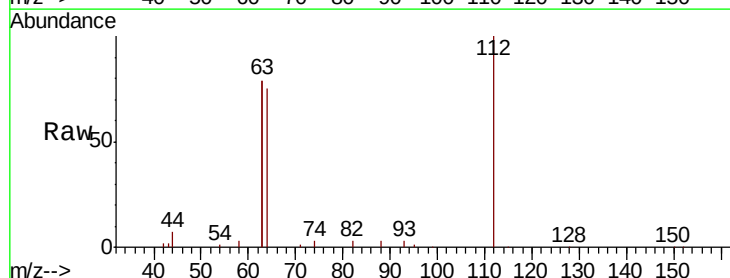
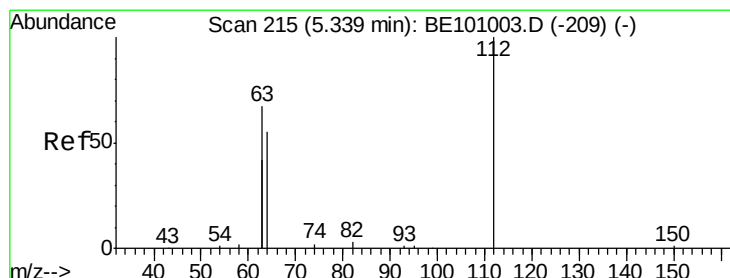
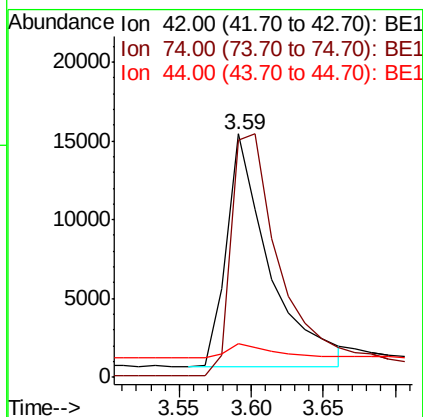
Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	42	Resp:	30450
Ion	Ratio	Lower	Upper
42	100		
74	120.3	105.7	158.5
44	6.9	10.0	15.0#



#4

2-Fluorophenol

Concen: 5.721 ng

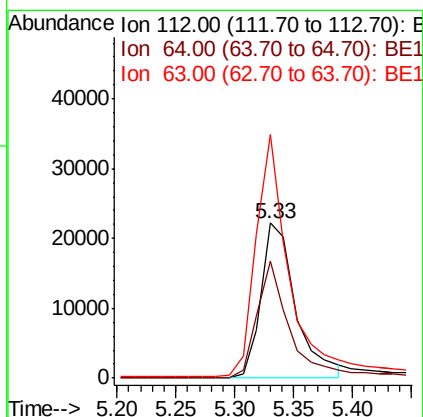
RT: 5.33 min Scan# 214

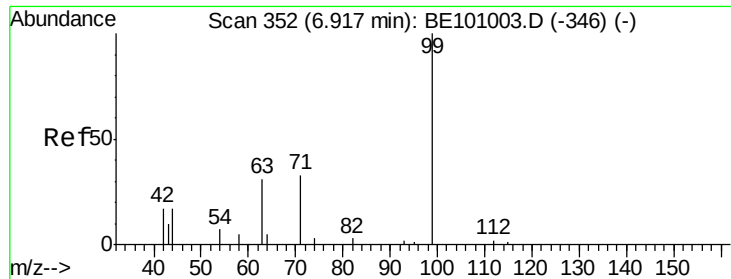
Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Tgt Ion:	112	Resp:	45732
Ion	Ratio	Lower	Upper
112	100		
64	68.3	53.6	80.4
63	143.4	114.6	172.0





#5

Phenol-d6

Concen: 6.426 ng

RT: 6.90 min Scan# 350

Delta R.T. -0.02 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampled :

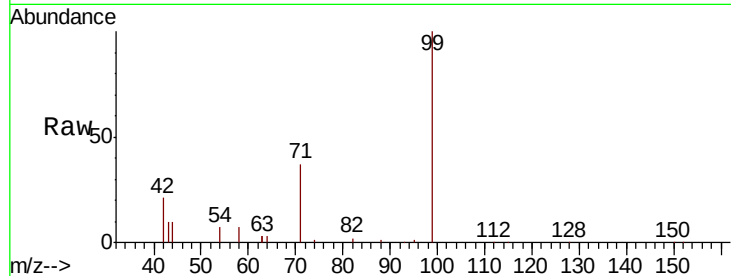
Tot Ion: 99 Resp: 72117

Ion Ratio Lower Upper

99 100

42 21.2 18.3 27.5

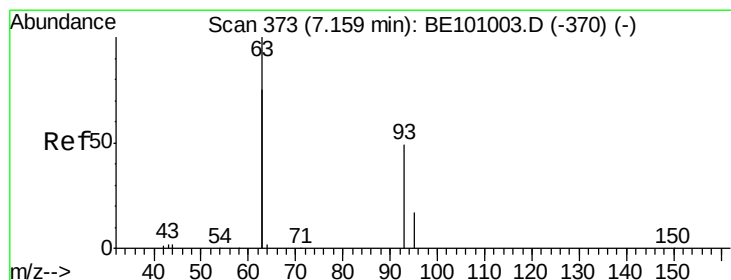
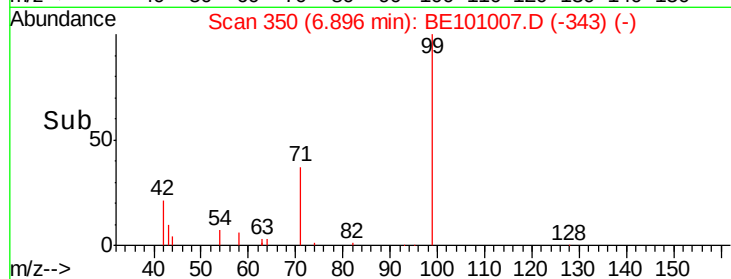
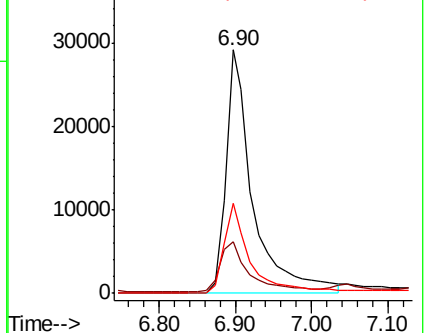
71 35.3 28.0 42.0



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: 4.077 ng

RT: 7.15 min Scan# 372

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

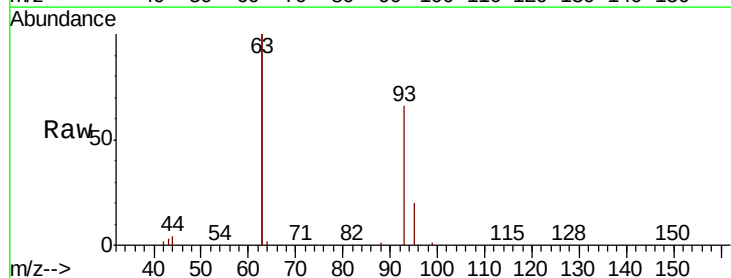
Tgt Ion: 93 Resp: 69677

Ion Ratio Lower Upper

93 100

63 316.8 233.9 350.9

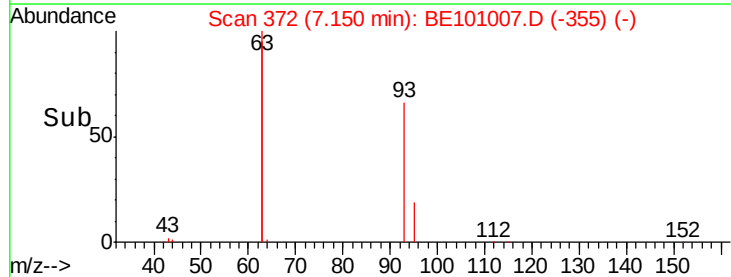
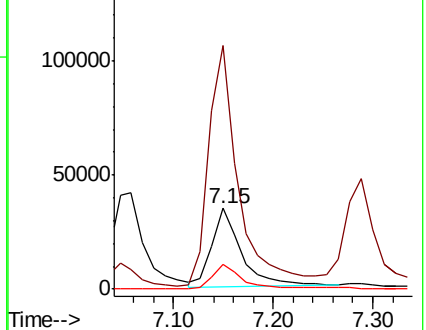
95 33.3 23.5 35.3

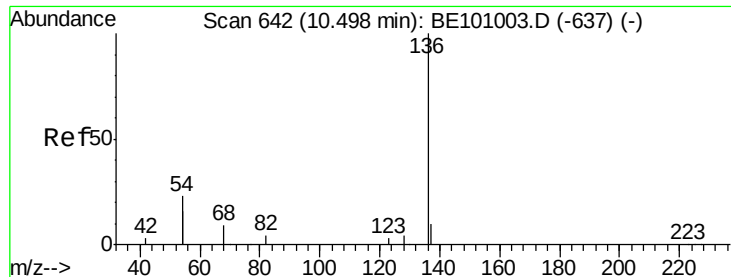


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: 10.50 min Scan# 641

Delta R.T. -0.00 min

Lab File: BE101007.D

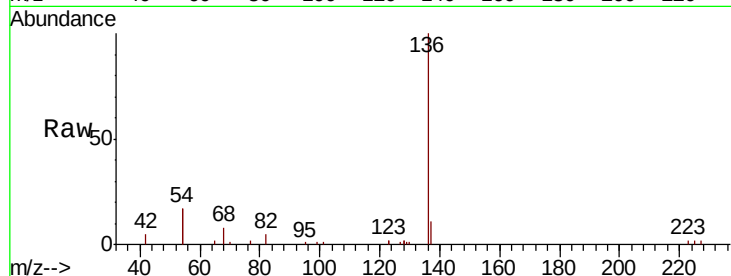
Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampled :

Tot Ion:136	Resp:	18903
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.3 13.9
54	33.5	36.8 55.2#
68	7.9	8.4 12.6#

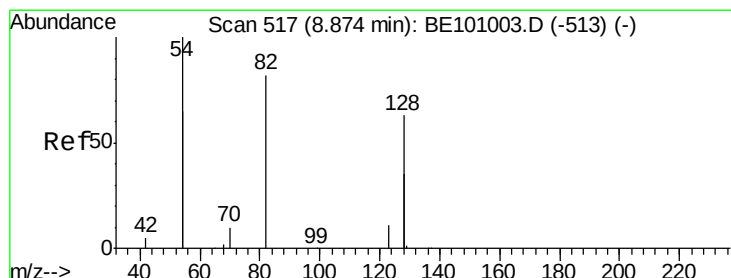
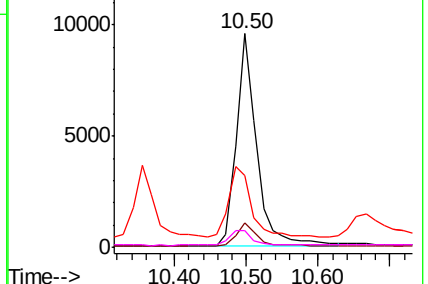
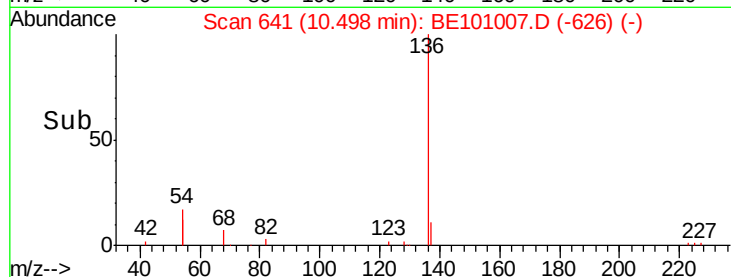


Abundance Ion 136.00 (135.70 to 136.70): E

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: 8.443 ng

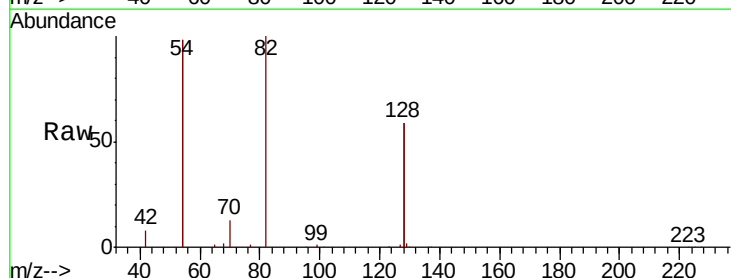
RT: 8.86 min Scan# 515

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

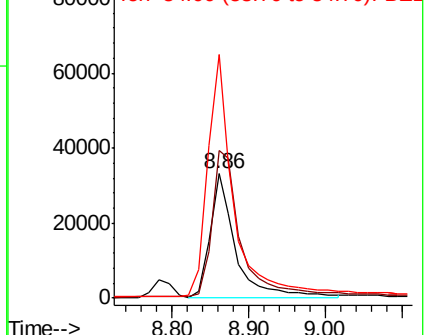
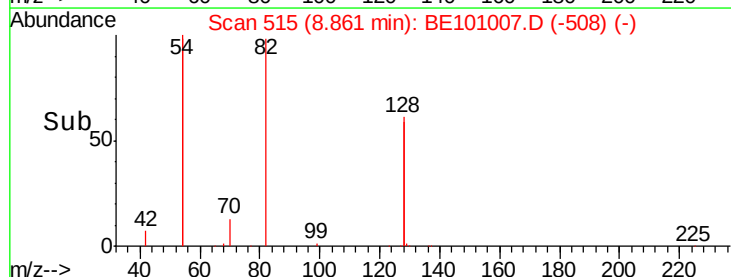
Tgt Ion: 82	Resp:	76468
Ion Ratio	Lower	Upper
82	100	
128	118.5	109.8 164.6
54	195.9	174.5 261.7

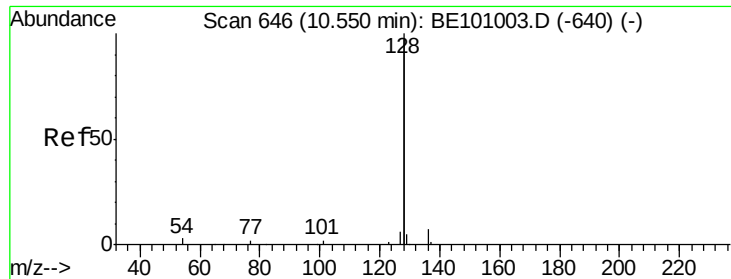


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

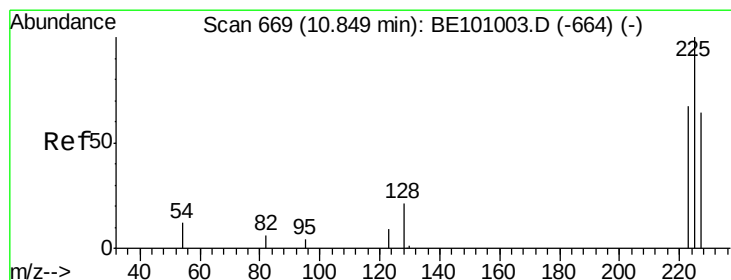
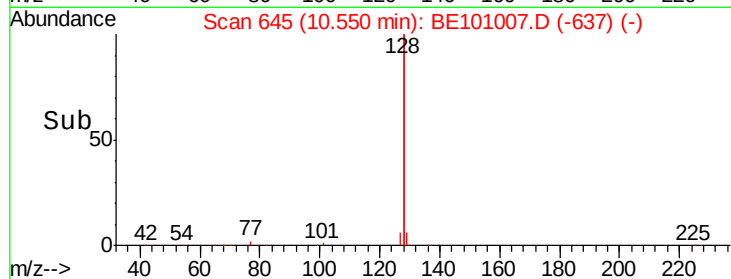
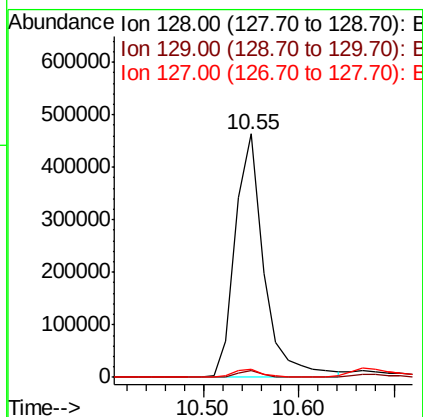
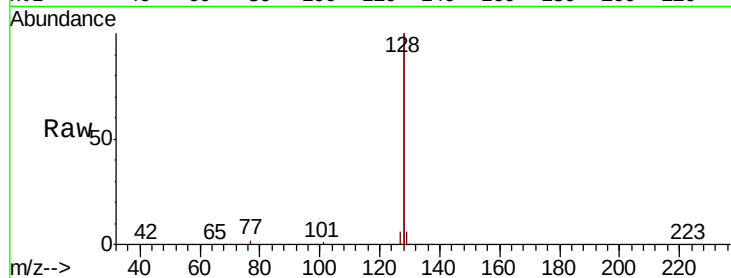




#9
Naphthalene
Concen: 4.786 ng
RT: 10.55 min Scan# 645
Delta R.T. -0.00 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

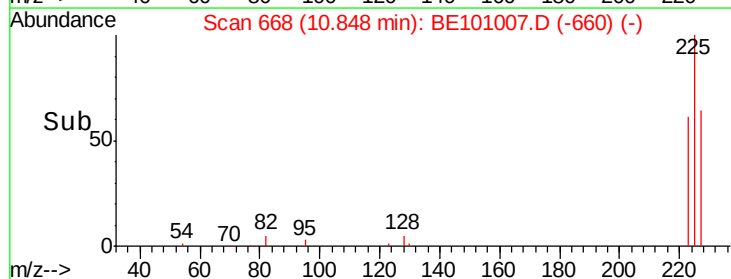
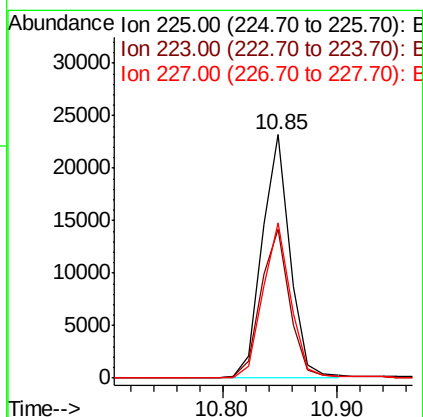
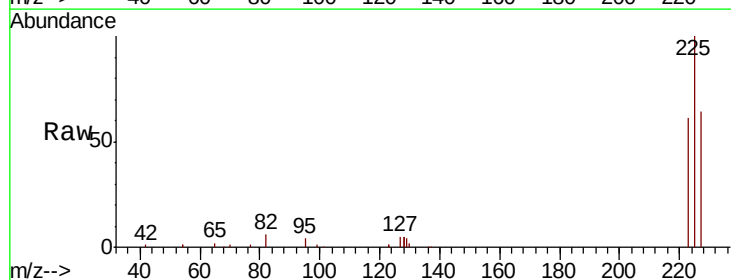
Instrument :
BNA_E
ClientSampleId :

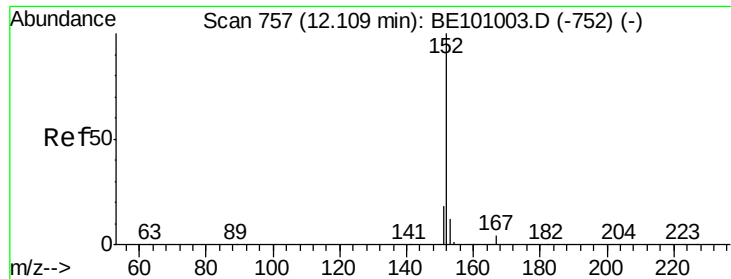
Tot Ion:128 Resp: 961930
Ion Ratio Lower Upper
128 100
129 2.8 2.3 3.5
127 3.2 2.7 4.1



#10
Hexachlorobutadiene
Concen: 4.411 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.00 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

Tgt Ion:225 Resp: 39177
Ion Ratio Lower Upper
225 100
223 62.9 52.2 78.4
227 63.7 49.9 74.9

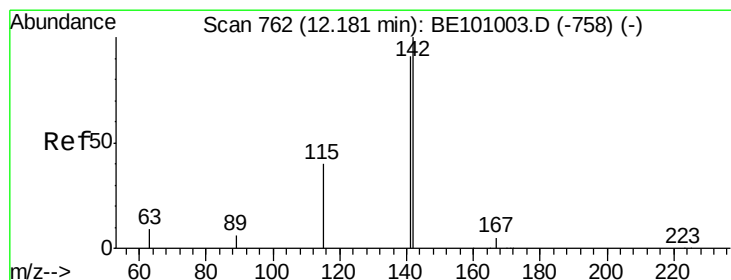
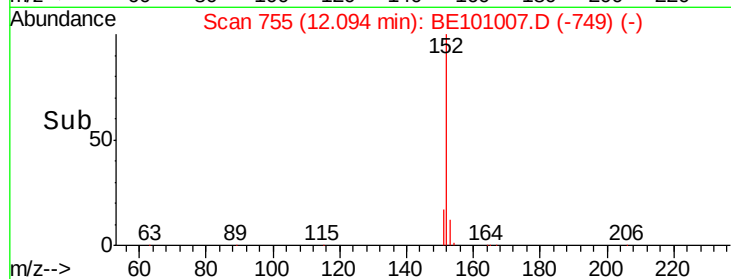
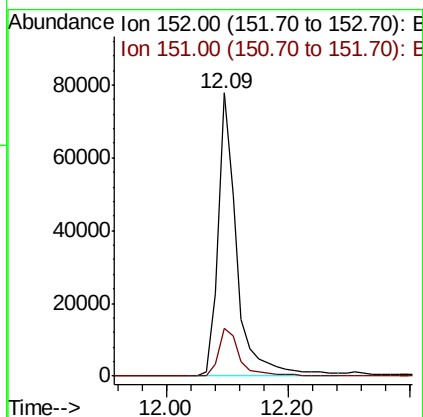
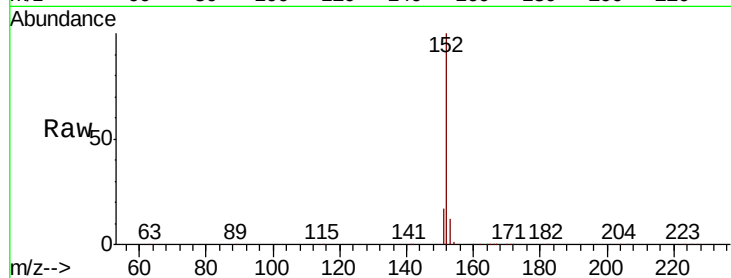




#11
 2-Methylnaphthalene-d10
 Concen: 6.024 ng
 RT: 12.09 min Scan# 755
 Delta R.T. -0.01 min
 Lab File: BE101007.D
 Acq: 8 Jan 2020 17:08

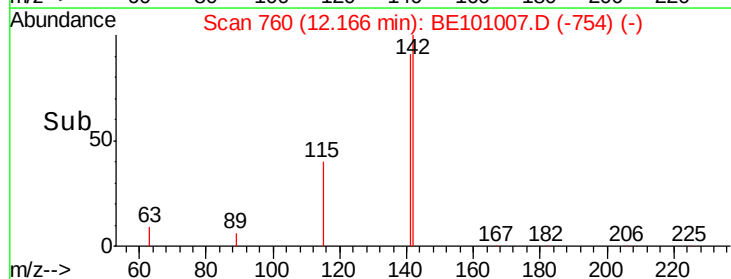
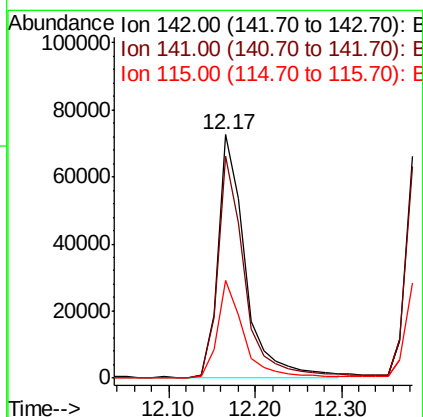
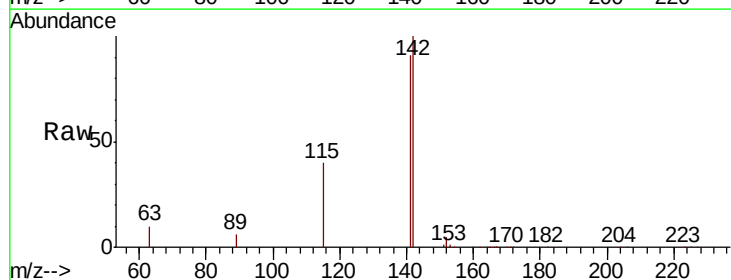
Instrument :
 BNA_E
 ClientSampleId :

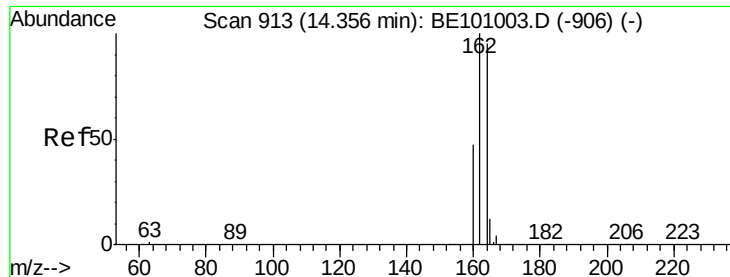
Tot Ion:152 Resp: 167279
 Ion Ratio Lower Upper
 152 100
 151 19.2 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 5.230 ng
 RT: 12.17 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: BE101007.D
 Acq: 8 Jan 2020 17:08

Tgt Ion:142 Resp: 159270
 Ion Ratio Lower Upper
 142 100
 141 90.9 72.5 108.7
 115 39.9 33.0 49.6

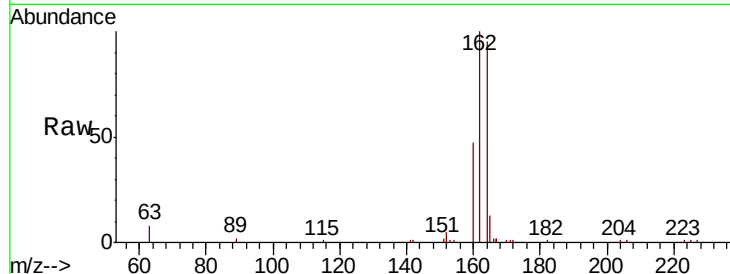




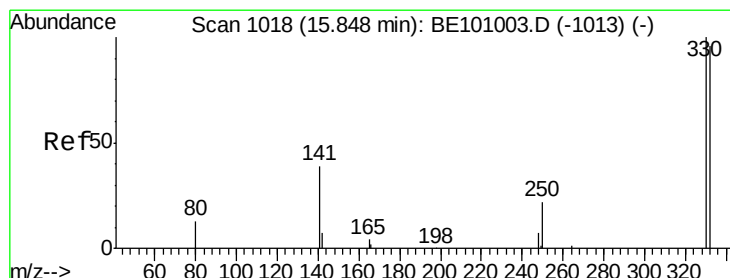
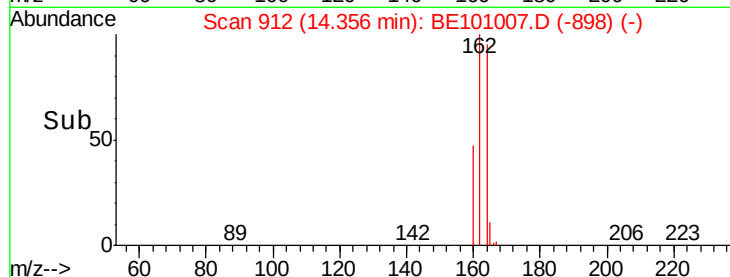
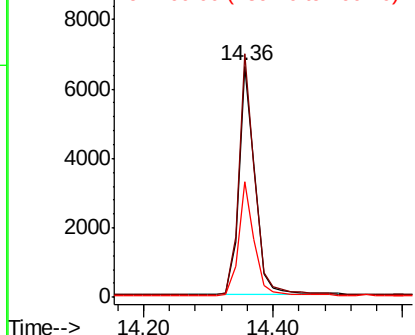
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 11322
Ion Ratio Lower Upper
164 100
162 105.4 84.1 126.1
160 50.0 40.4 60.6

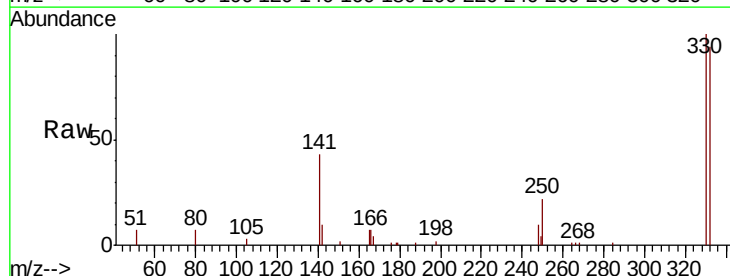


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

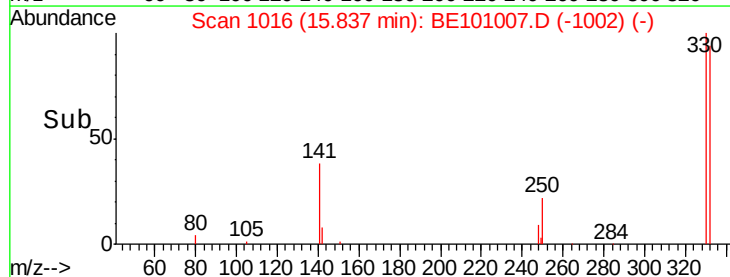
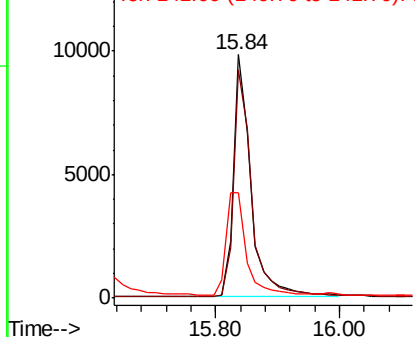


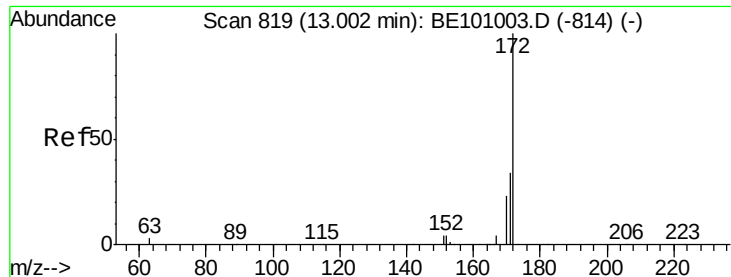
#14
2,4,6-Tribromophenol
Concen: 7.767 ng
RT: 15.84 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

Tgt Ion:330 Resp: 19312
Ion Ratio Lower Upper
330 100
332 96.5 78.4 117.6
141 48.1 37.0 55.4



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

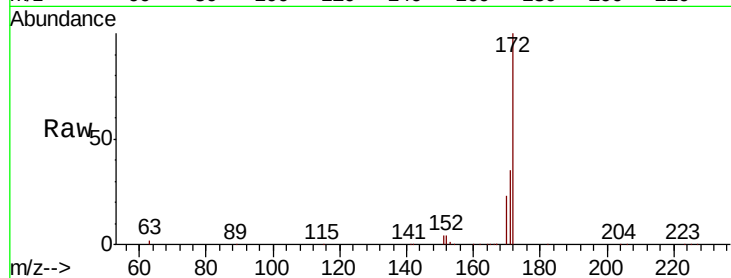




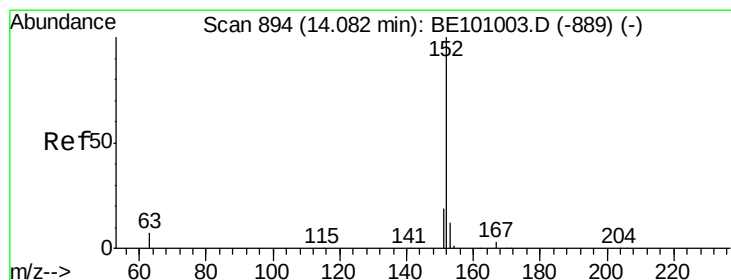
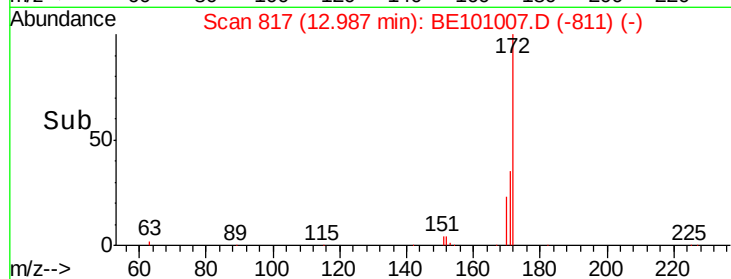
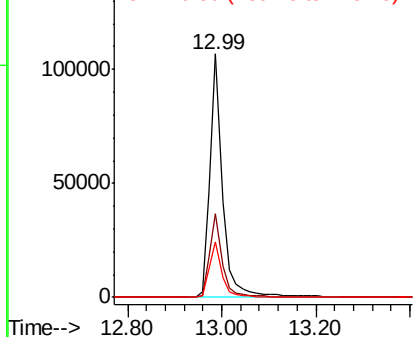
#15
2-Fluorobiphenyl
Concen: 4.971 ng
RT: 12.99 min Scan# 817
Delta R.T. -0.01 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 200005
Ion Ratio Lower Upper
172 100
171 34.6 28.2 42.2
170 23.0 18.9 28.3

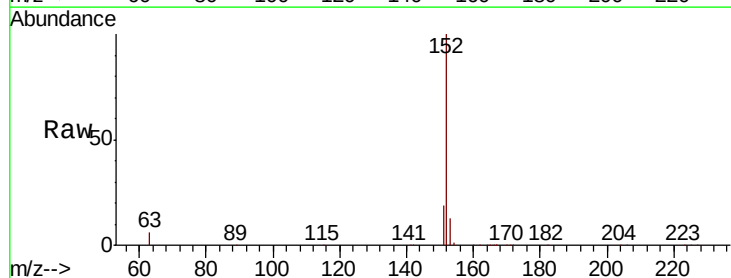


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

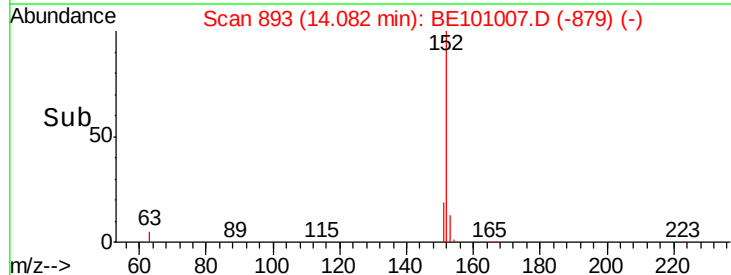
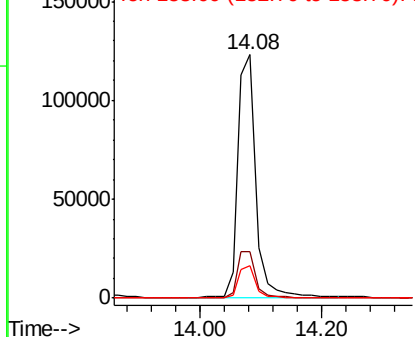


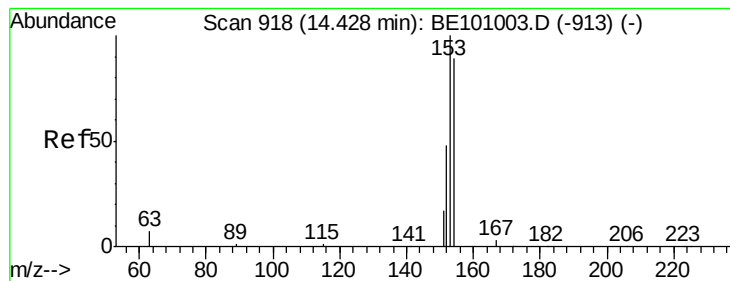
#16
Acenaphthylene
Concen: 6.043 ng
RT: 14.08 min Scan# 893
Delta R.T. 0.00 min
Lab File: BE101007.D
Acq: 8 Jan 2020 17:08

Tgt Ion:152 Resp: 255723
Ion Ratio Lower Upper
152 100
151 19.7 15.5 23.3
153 13.1 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: 5.312 ng

RT: 14.41 min Scan# 916

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

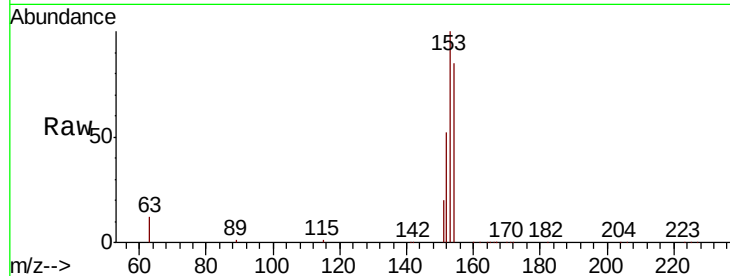
Tot Ion:154 Resp: 163318

Ion Ratio Lower Upper

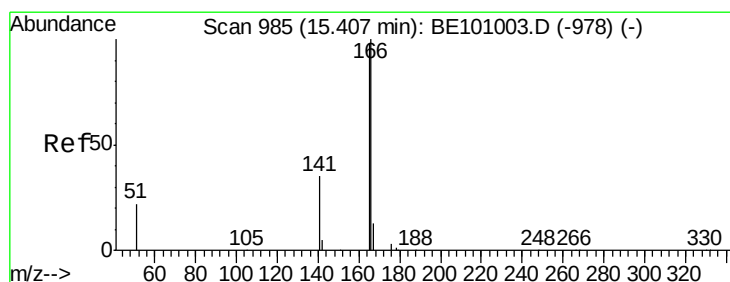
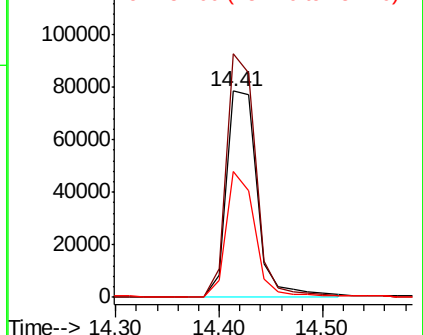
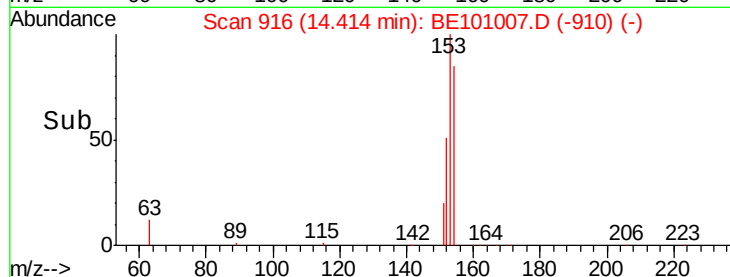
154 100

153 111.8 93.6 140.4

152 55.4 46.3 69.5



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: 5.434 ng

RT: 15.39 min Scan# 983

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

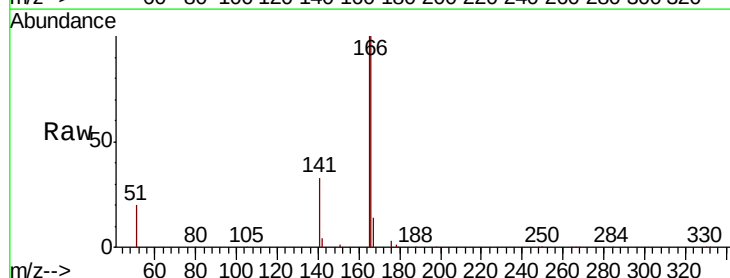
Tgt Ion:166 Resp: 208217

Ion Ratio Lower Upper

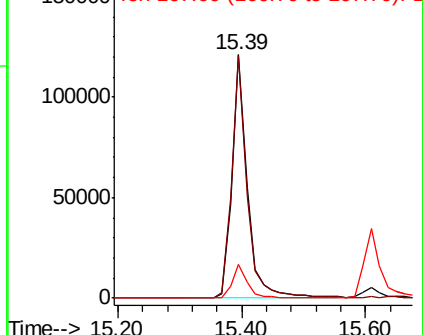
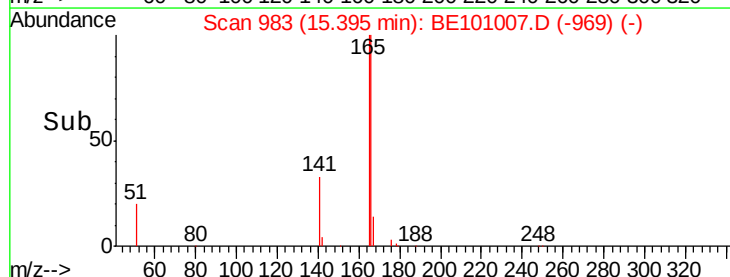
166 100

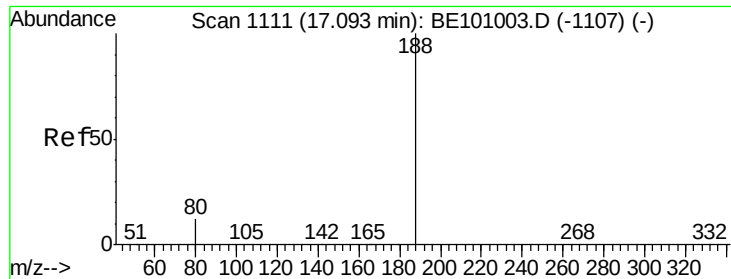
165 99.2 79.8 119.8

167 13.5 11.0 16.6



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: 17.09 min Scan# 1110

Delta R.T. 0.00 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

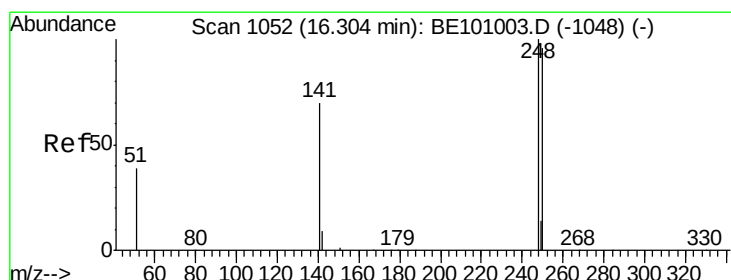
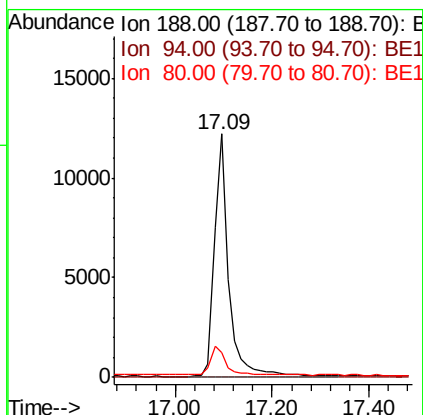
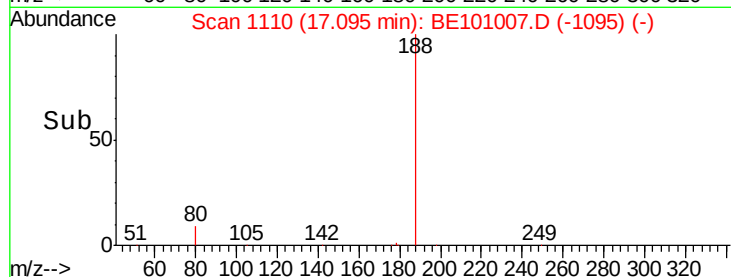
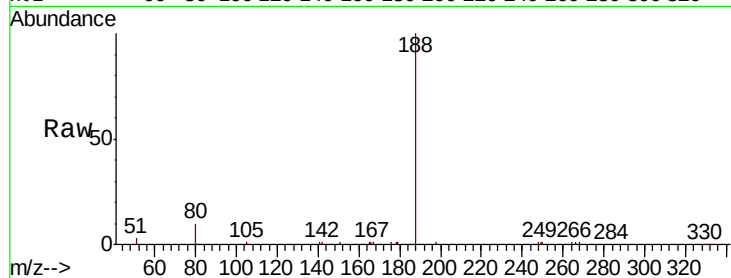
Tot Ion:188 Resp: 24240

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.3 10.8 16.2#



#20

4-Bromophenyl-phenylether

Concen: 5.674 ng

RT: 16.29 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

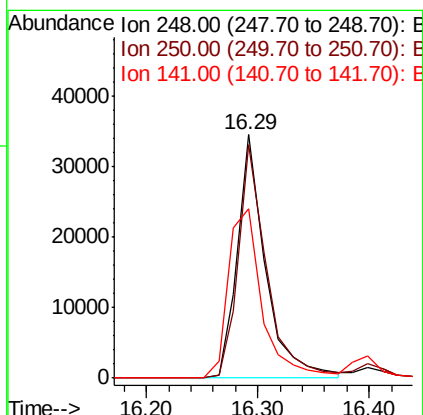
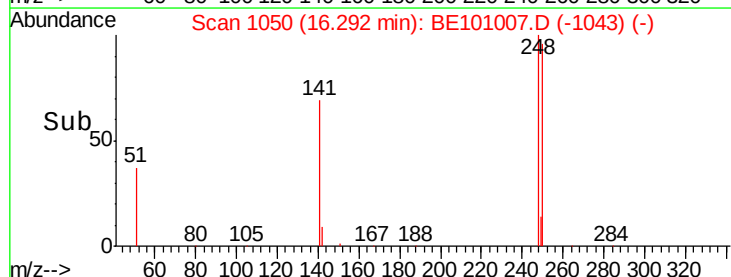
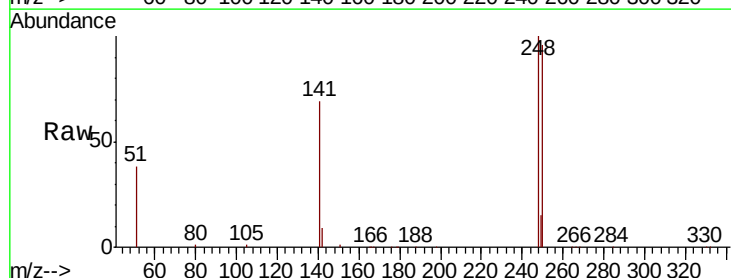
Tgt Ion:248 Resp: 60386

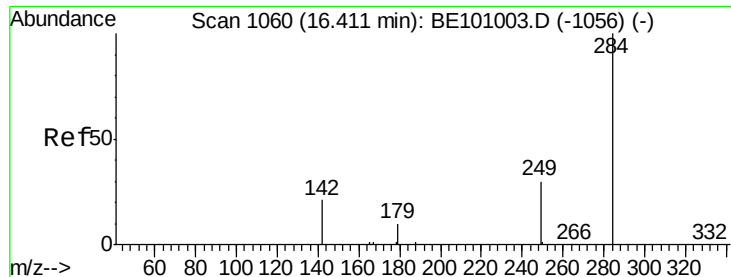
Ion Ratio Lower Upper

248 100

250 95.7 76.6 115.0

141 69.4 57.7 86.5





#21

Hexachlorobenzene

Concen: 4.920 ng

RT: 16.40 min Scan# 1058

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

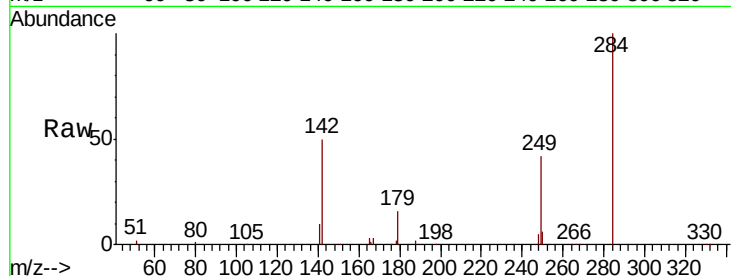
Tot Ion:284 Resp: 61839

Ion Ratio Lower Upper

284 100

142 41.8 34.0 51.0

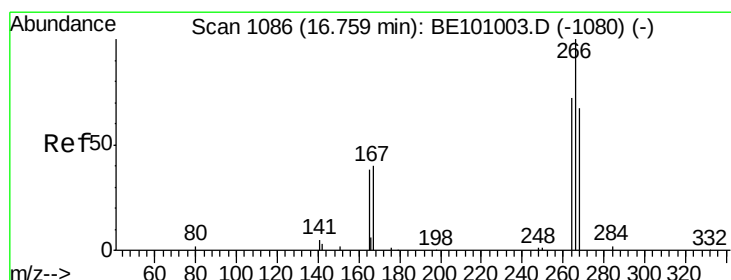
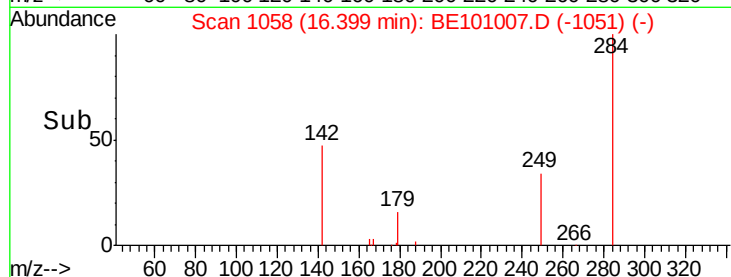
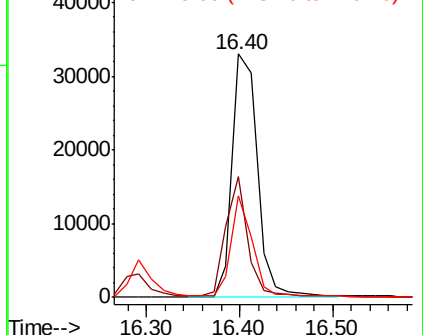
249 34.5 28.2 42.4



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: 11.681 ng

RT: 16.75 min Scan# 1084

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

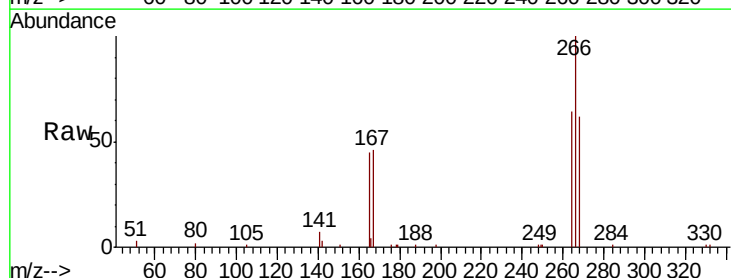
Tgt Ion:266 Resp: 21929

Ion Ratio Lower Upper

266 100

264 64.4 61.0 91.4

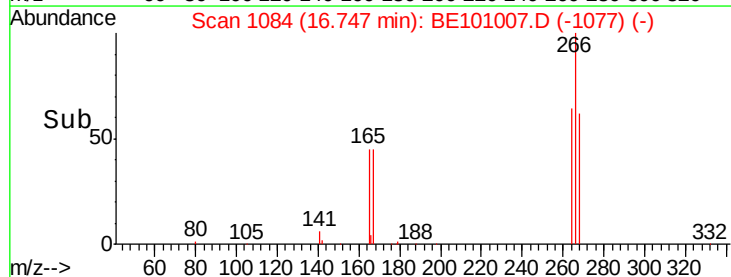
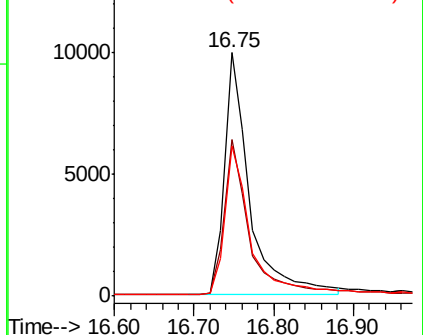
268 61.9 58.5 87.7

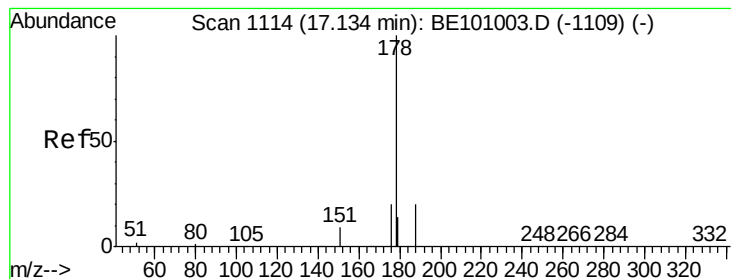


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 5.283 ng

RT: 17.14 min Scan# 1113

Delta R.T. 0.00 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampled :

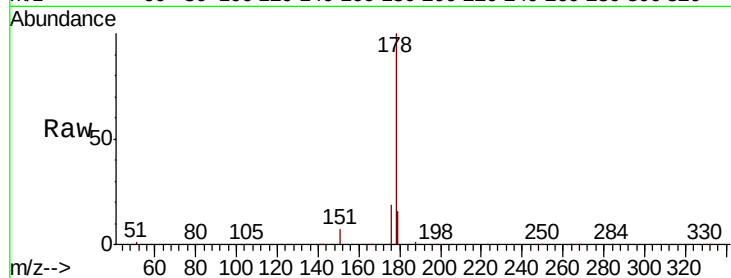
Tot Ion:178 Resp: 330084

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

179 15.4 12.0 18.0

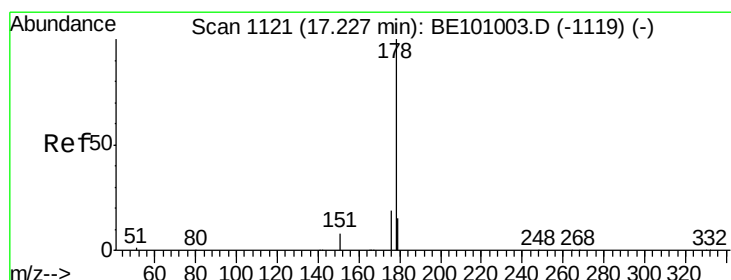
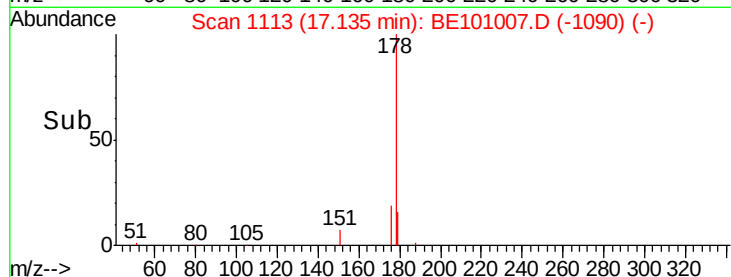
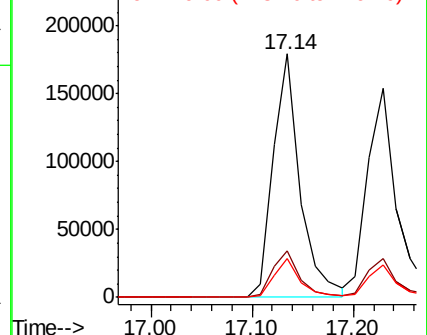


Abundance

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: 5.244 ng

RT: 17.23 min Scan# 1120

Delta R.T. 0.00 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

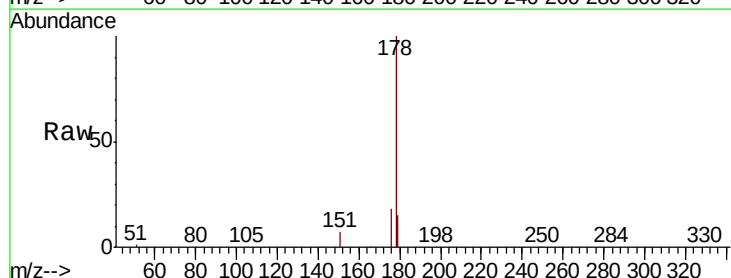
Tgt Ion:178 Resp: 331314

Ion Ratio Lower Upper

178 100

176 18.7 14.8 22.2

179 15.3 12.4 18.6

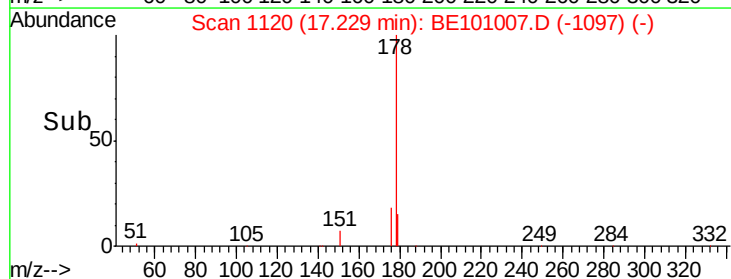
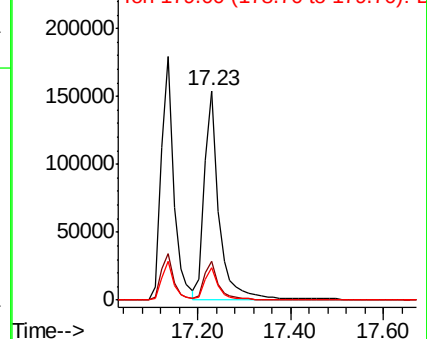


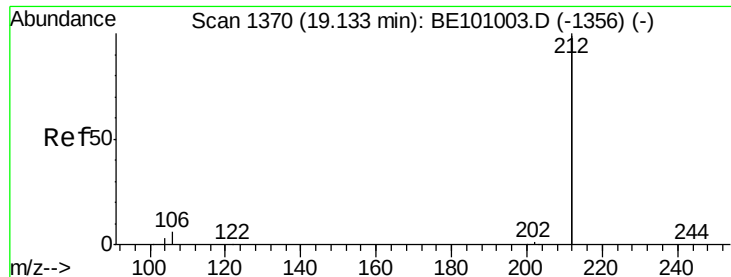
Abundance

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





#25

Fluoranthene-d10

Concen: 5.795 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

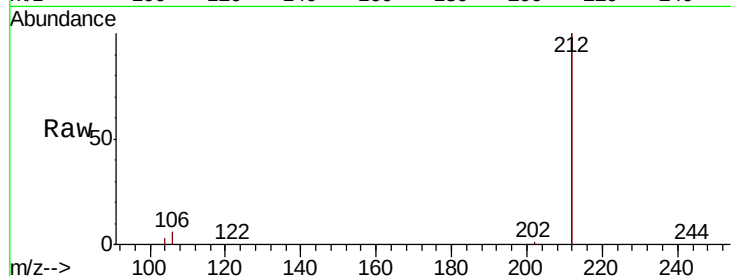
Tot Ion:212 Resp: 1704589

Ion Ratio Lower Upper

212 100

106 3.5 2.6 3.8

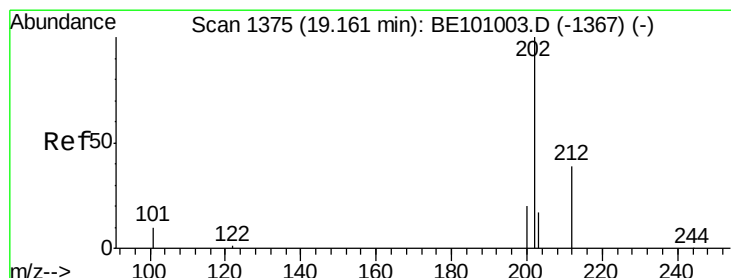
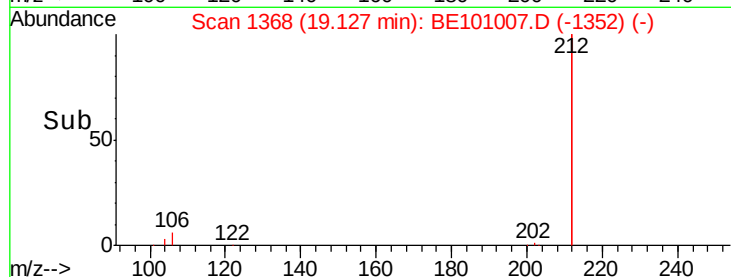
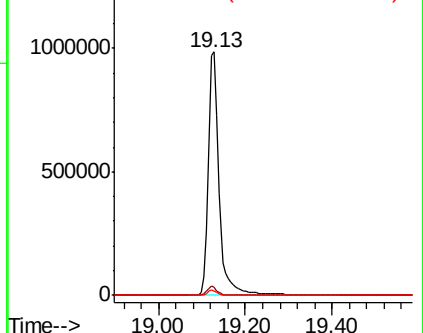
104 1.9 1.4 2.0



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: 4.988 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

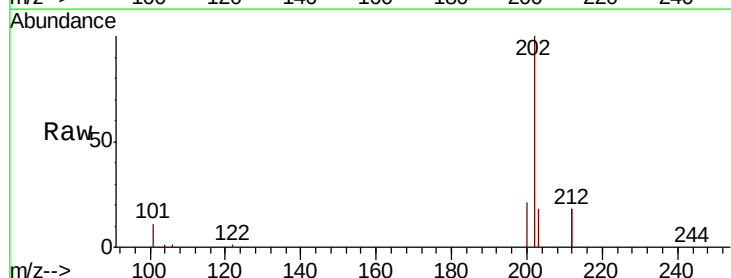
Tgt Ion:202 Resp: 424955

Ion Ratio Lower Upper

202 100

101 12.5 9.6 14.4

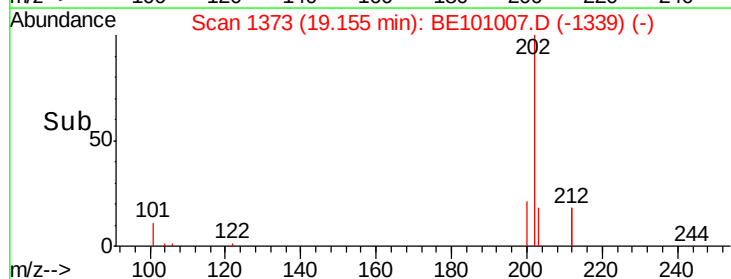
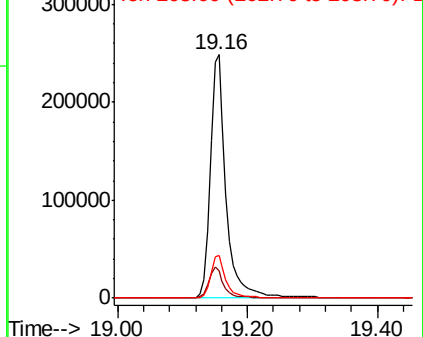
203 17.2 13.8 20.6

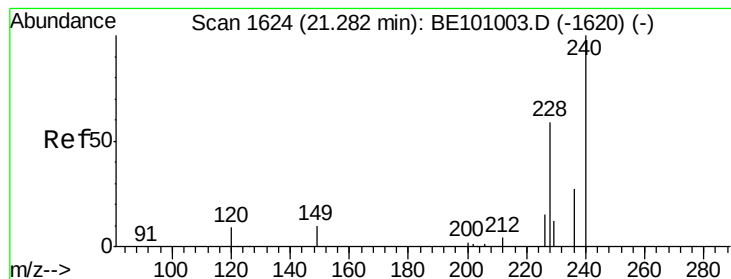


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.27 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

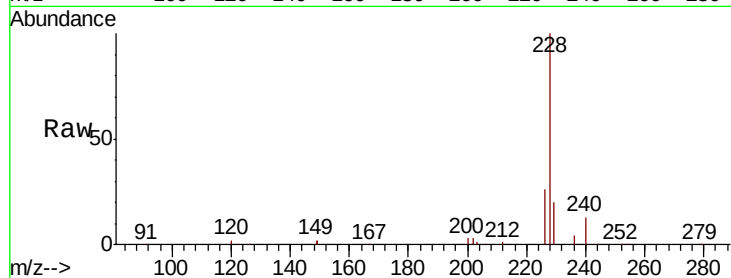
Tot Ion:240 Resp: 24746

Ion Ratio Lower Upper

240 100

120 12.2 8.6 13.0

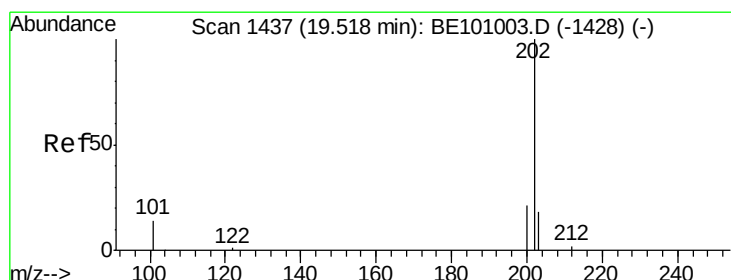
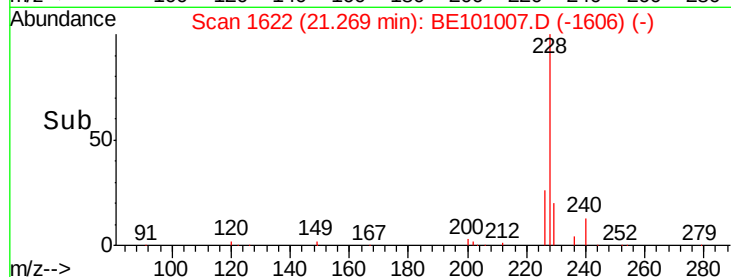
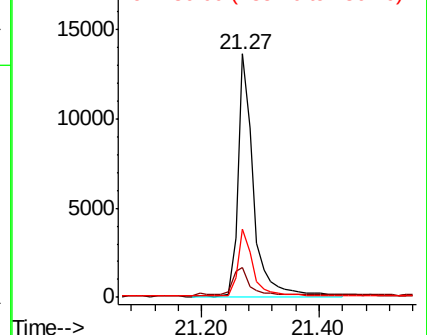
236 27.9 22.2 33.4



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: 4.865 ng

RT: 19.52 min Scan# 1436

Delta R.T. -0.00 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

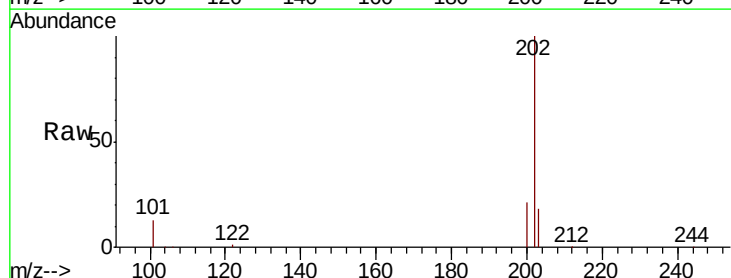
Tgt Ion:202 Resp: 421145

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.4

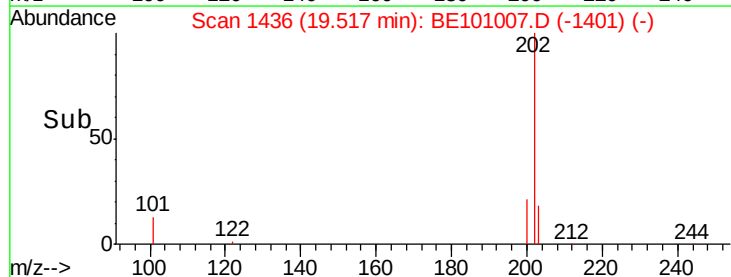
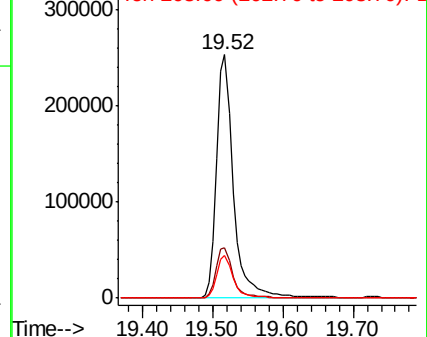
203 17.5 13.8 20.6

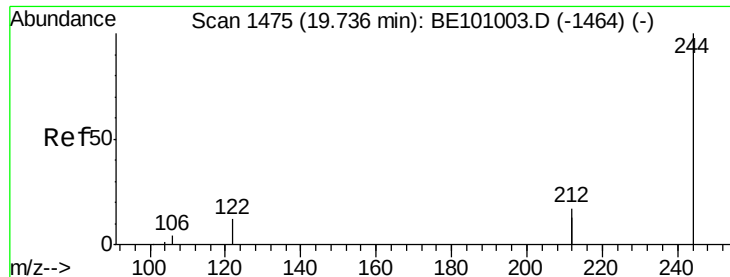


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.978 ng

RT: 19.73 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

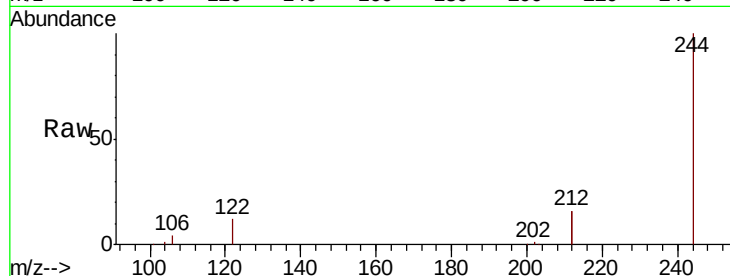
Tot Ion:244 Resp: 283135

Ion Ratio Lower Upper

244 100

212 31.1 27.2 40.8

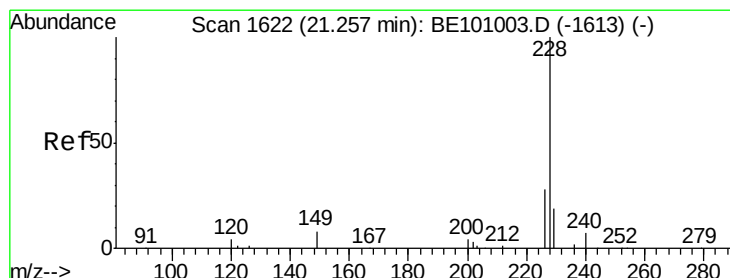
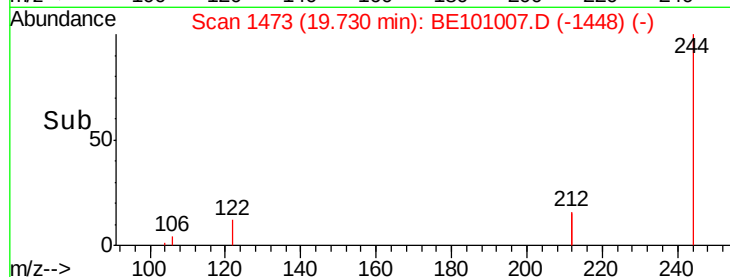
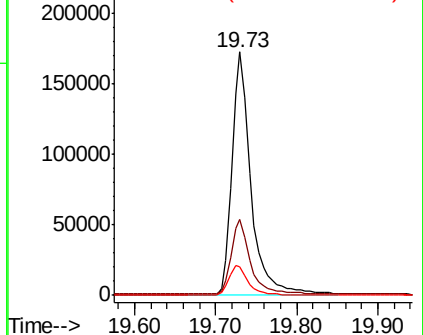
122 11.9 9.8 14.8



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: 6.089 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

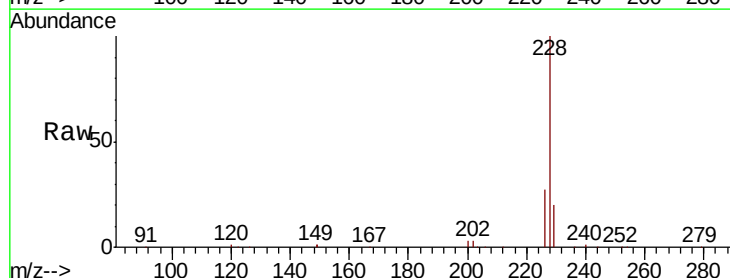
Tgt Ion:228 Resp: 368835

Ion Ratio Lower Upper

228 100

226 26.6 22.7 34.1

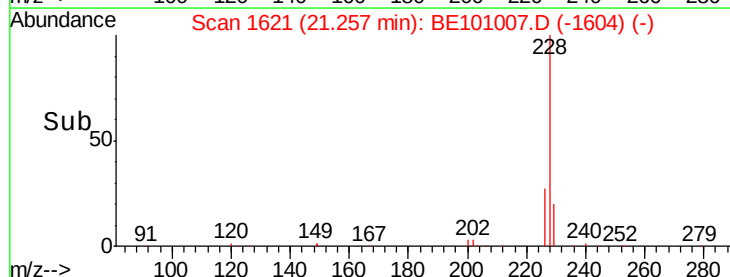
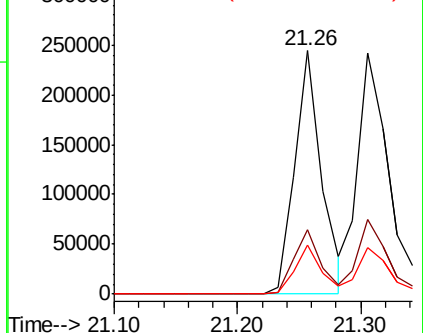
229 20.1 15.5 23.3

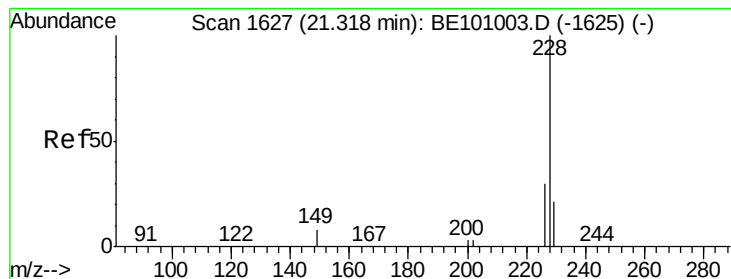


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 4.066 ng

RT: 21.31 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

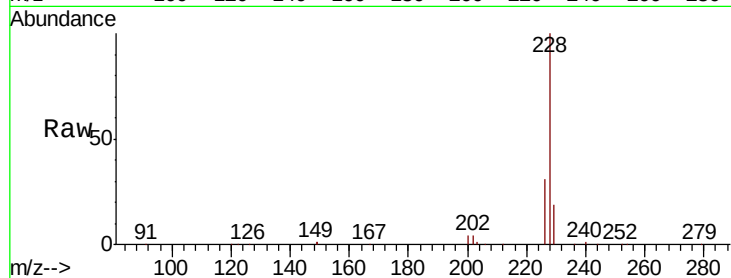
Tot Ion:228 Resp: 458575

Ion Ratio Lower Upper

228 100

226 30.9 23.5 35.3

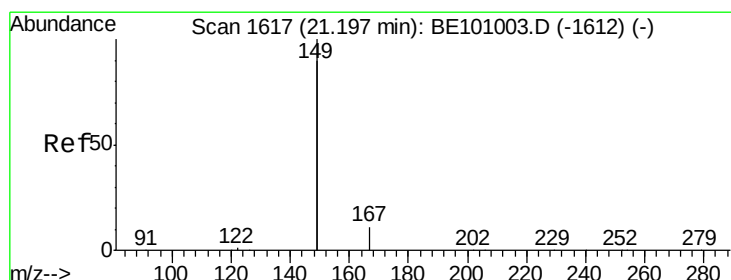
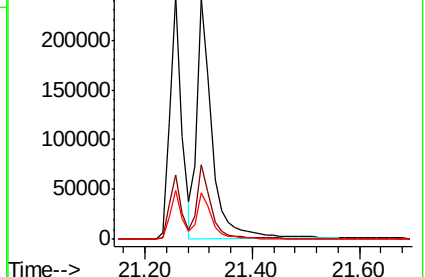
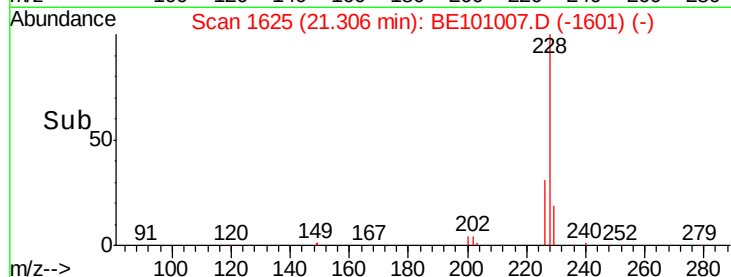
229 19.5 16.7 25.1



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: 5.249 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

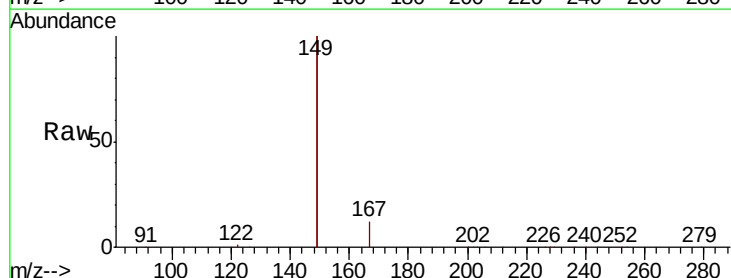
Tgt Ion:149 Resp: 699369

Ion Ratio Lower Upper

149 100

167 6.4 5.2 7.8

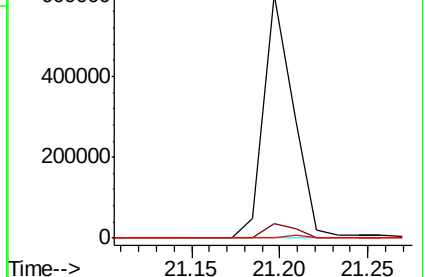
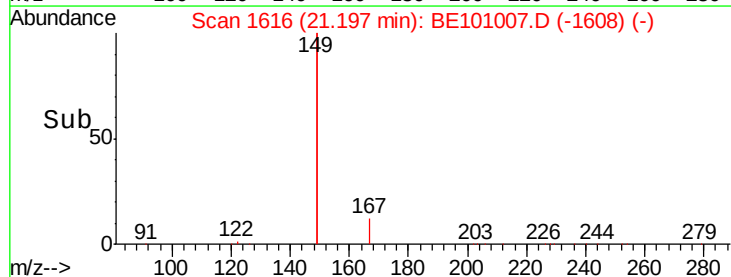
279 0.8 0.8 1.2

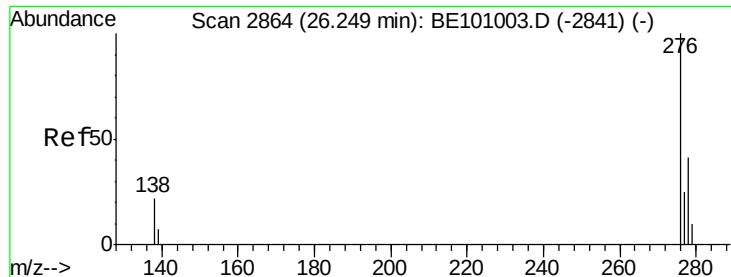


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

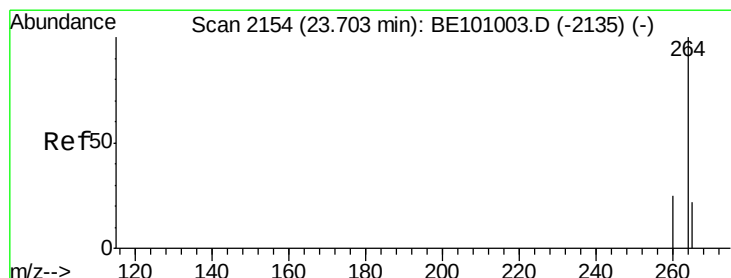
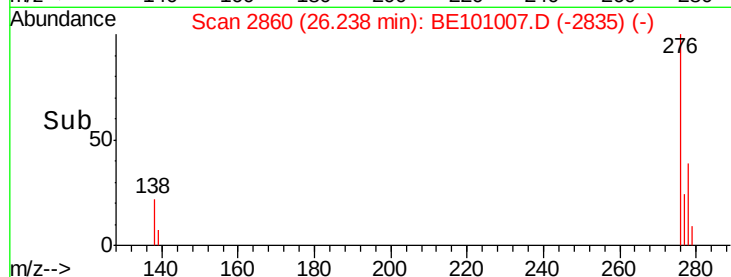
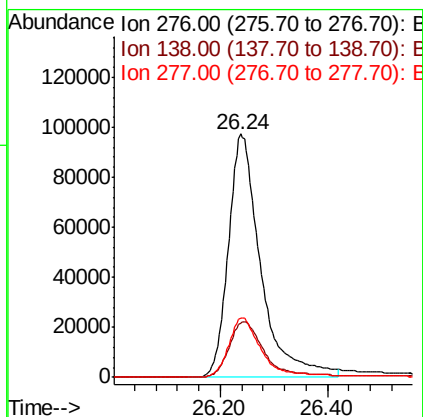
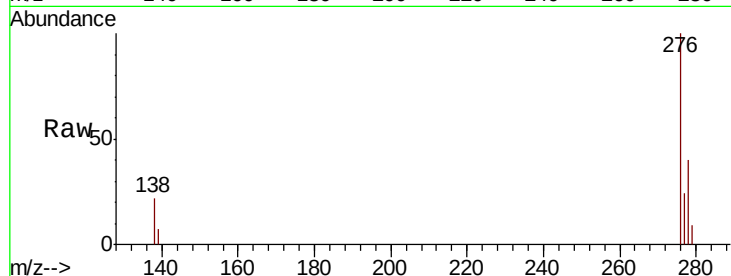




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 4.798 ng
 RT: 26.24 min Scan# 2860
 Delta R.T. -0.01 min
 Lab File: BE101007.D
 Acq: 8 Jan 2020 17:08

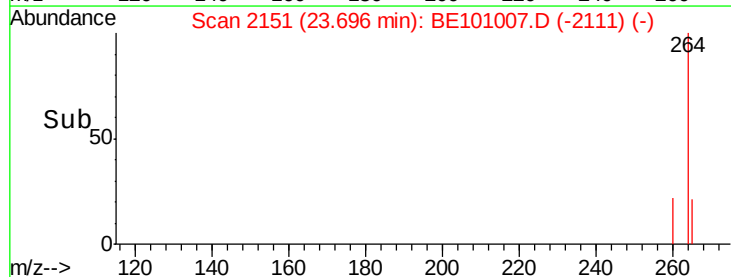
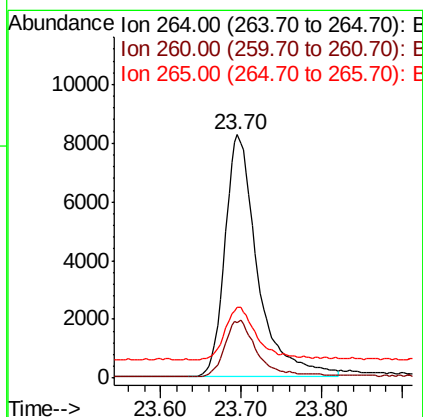
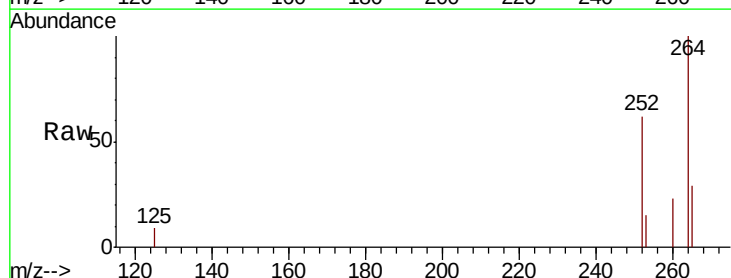
Instrument :
 BNA_E
 ClientSampleId :

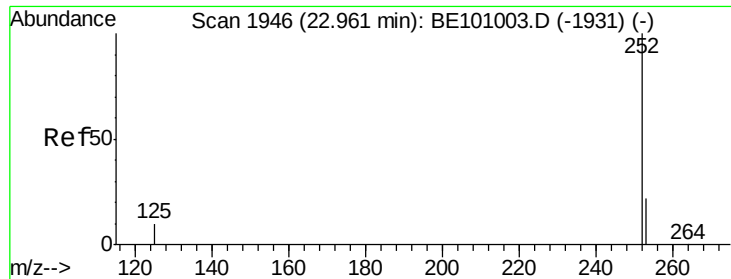
Tot Ion:276 Resp: 407341
 Ion Ratio Lower Upper
 276 100
 138 24.8 16.1 24.1#
 277 24.9 18.1 27.1



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.70 min Scan# 2151
 Delta R.T. -0.01 min
 Lab File: BE101007.D
 Acq: 8 Jan 2020 17:08

Tgt Ion:264 Resp: 23051
 Ion Ratio Lower Upper
 264 100
 260 22.9 20.3 30.5
 265 28.9 27.0 40.4





#35

Benzo(b)fluoranthene

Concen: 7.374 ng

RT: 22.95 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

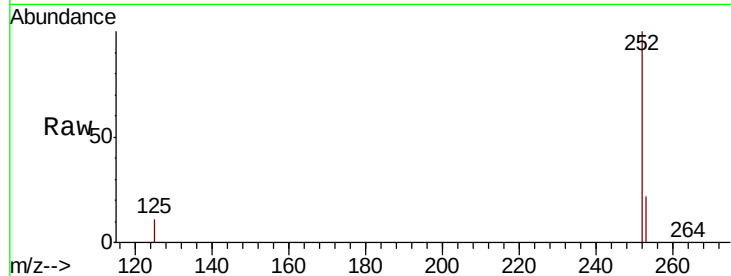
Tot Ion:252 Resp: 357821

Ion Ratio Lower Upper

252 100

253 21.9 18.5 27.7

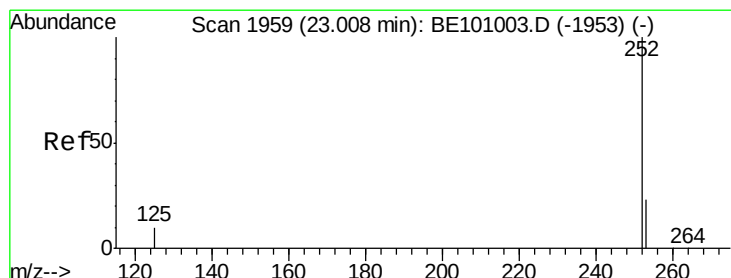
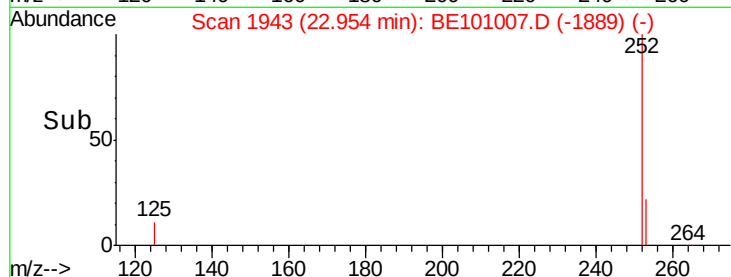
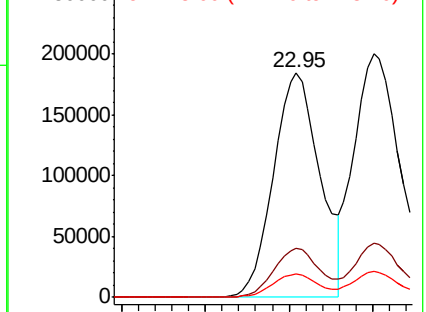
125 10.6 9.5 14.3



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: 4.683 ng

RT: 23.00 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

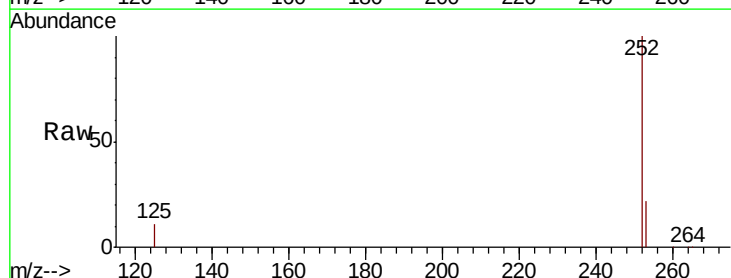
Tgt Ion:252 Resp: 430891

Ion Ratio Lower Upper

252 100

253 22.2 18.9 28.3

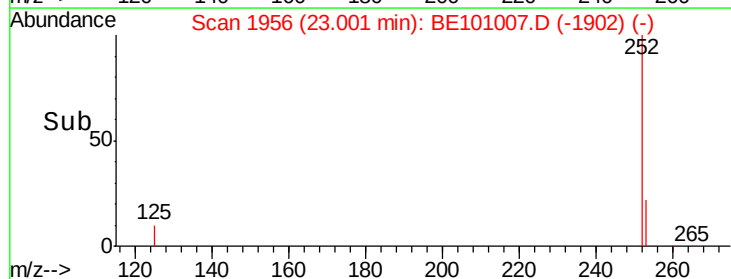
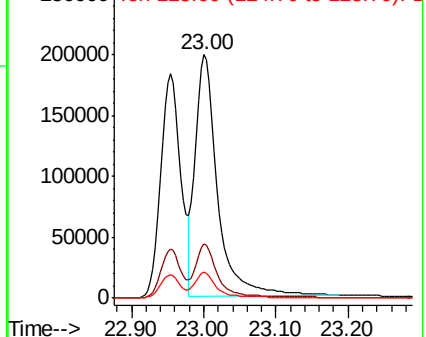
125 10.6 10.1 15.1

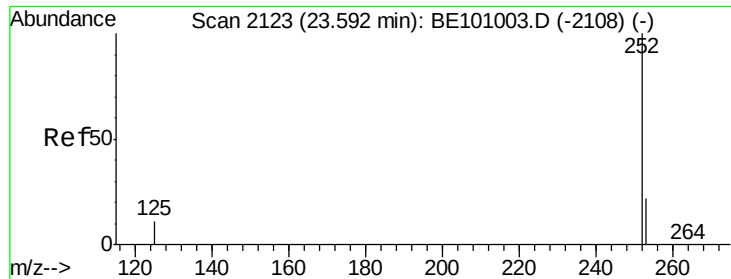


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 5.916 ng

RT: 23.59 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :

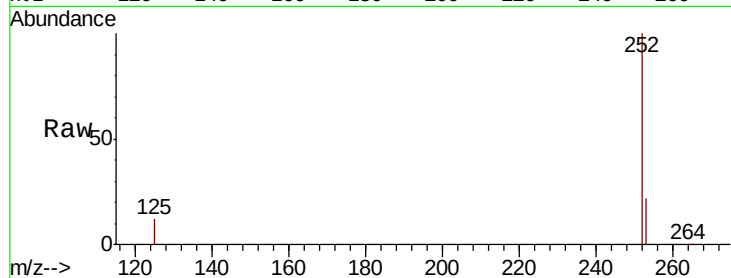
Tot Ion:252 Resp: 335157

Ion Ratio Lower Upper

252 100

253 21.8 19.4 29.2

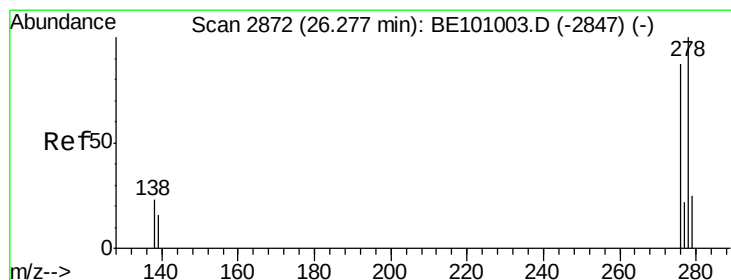
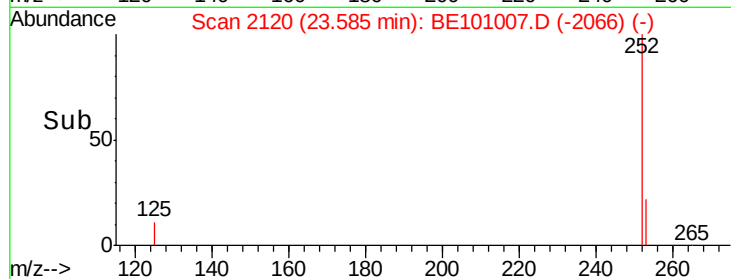
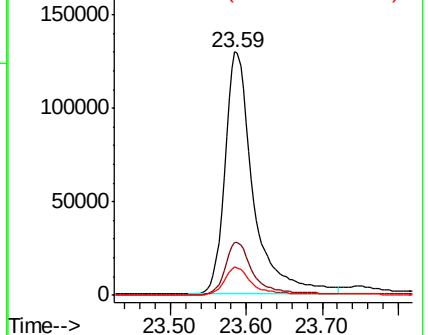
125 11.6 11.8 17.6#



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: 6.391 ng

RT: 26.26 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

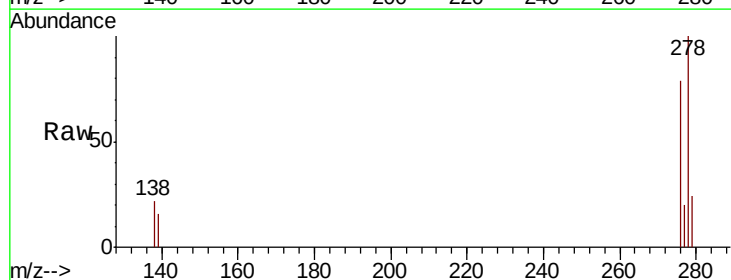
Tgt Ion:278 Resp: 328086

Ion Ratio Lower Upper

278 100

139 16.3 15.0 22.4

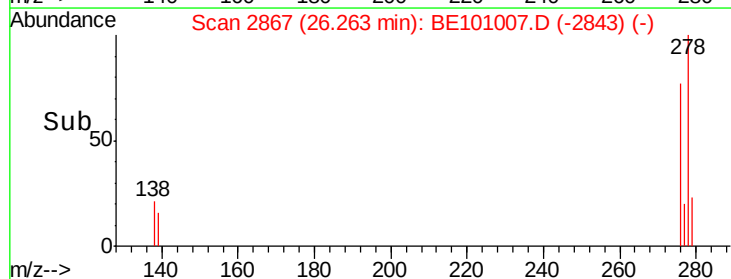
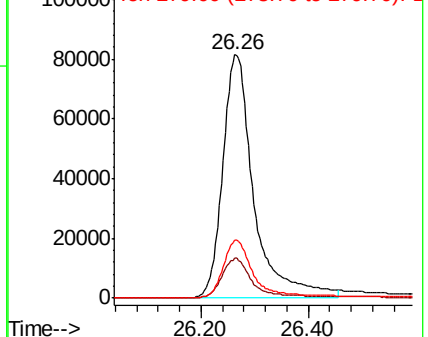
279 23.6 22.6 33.8

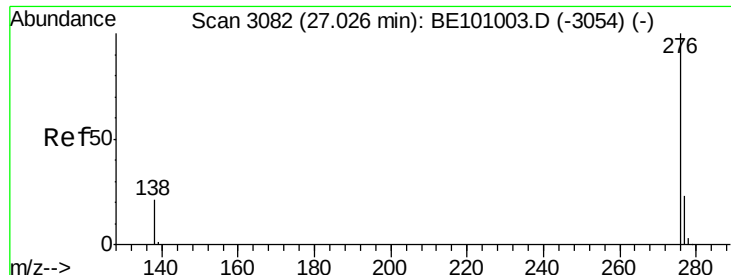


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 5.857 ng

RT: 27.02 min Scan# 3079

Delta R.T. -0.01 min

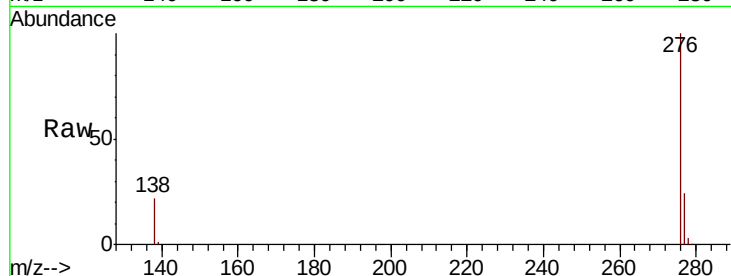
Lab File: BE101007.D

Acq: 8 Jan 2020 17:08

Instrument :

BNA_E

ClientSampleId :



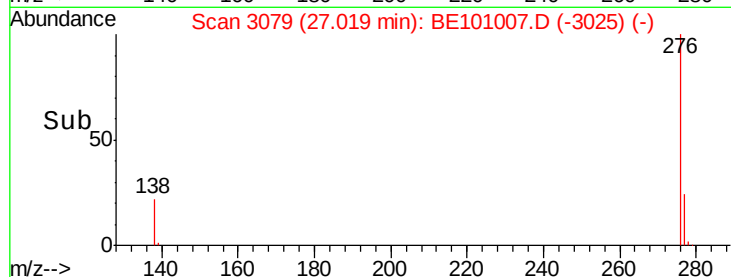
Tot Ion: 276 Resp: 354163

Ion Ratio Lower Upper

276 100

277 23.9 19.4 29.2

138 21.8 17.9 26.9



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

