

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010920\
 Data File : BE101014.D
 Acq On : 9 Jan 2020 16:53
 Operator : JU
 Sample : K5111-07
 Misc : LOD-MDL-W-0.1NG
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Jan 09 17:56:21 2020
 Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 09 16:04:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	3034	0.40	ng	0.00
7) Naphthalene-d8	10.51	136	13245	0.40	ng	0.01
13) Acenaphthene-d10	14.36	164	8296	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	18585	0.40	ng	0.00
27) Chrysene-d12	21.28	240	14105	0.40	ng	0.00
34) Perylene-d12	23.70	264	16666	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.34	112	2338	0.34	ng	0.00
5) Phenol-d6	6.92	99	2486	0.29	ng	0.00
8) Nitrobenzene-d5	8.89	82	2768	0.29	ng	0.01
11) 2-Methylnaphthalene-d10	12.11	152	8198	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	540	0.23	ng	0.00
15) 2-Fluorobiphenyl	13.00	172	12239	0.39	ng	0.00
25) Fluoranthene-d10	19.13	212	75779	0.29	ng	0.00
29) Terphenyl-d14	19.73	244	14902	0.43	ng	0.00

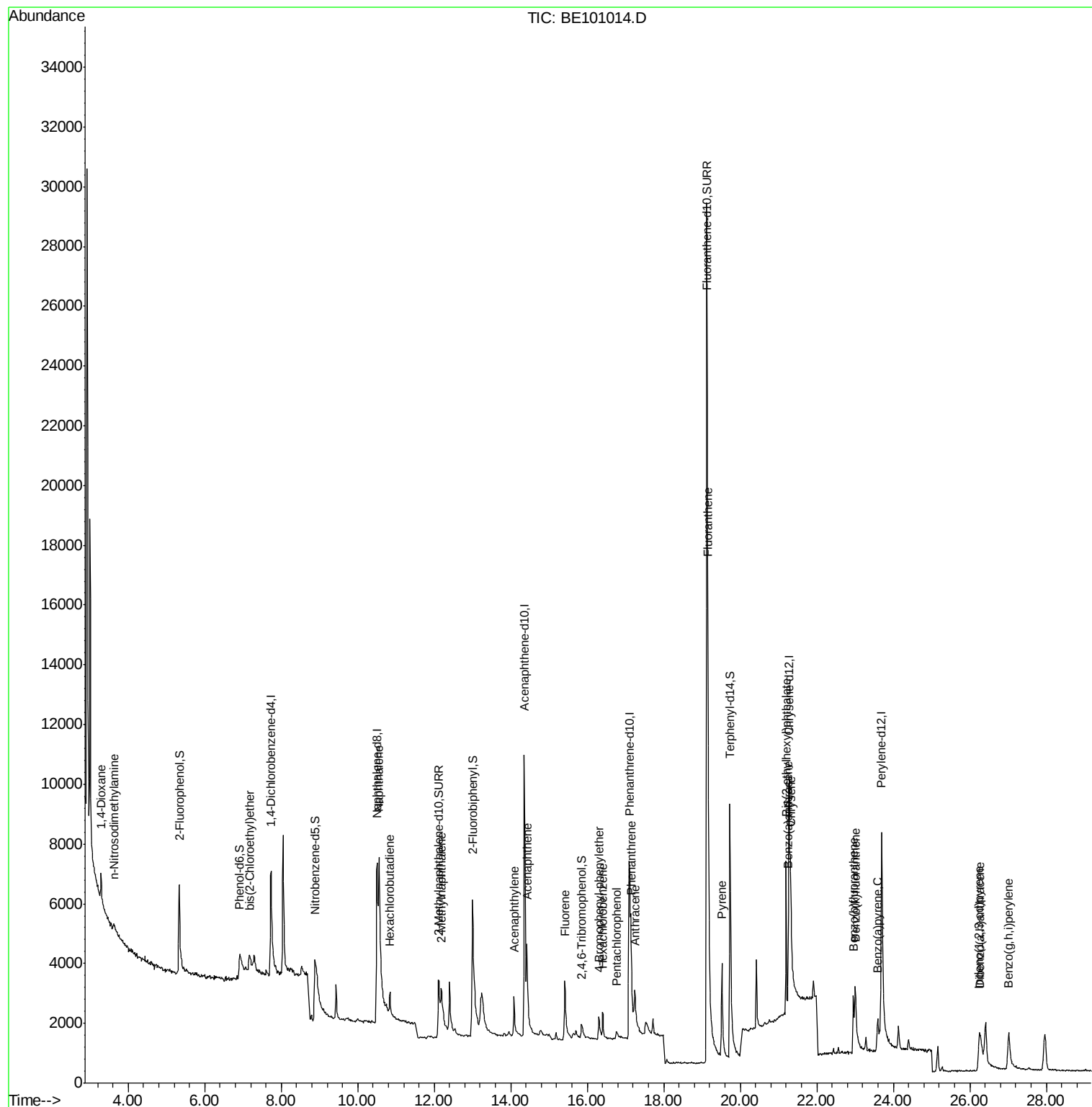
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	1189	0.154	ng	# 69
3) n-Nitrosodimethylamine	3.62	42	219	0.052	ng	# 86
6) bis(2-Chloroethyl)ether	7.17	93	651	0.063	ng	82
9) Naphthalene	10.55	128	13533	0.092	ng	# 97
10) Hexachlorobutadiene	10.85	225	559	0.090	ng	96
12) 2-Methylnaphthalene	12.18	142	1884	0.085	ng	95
16) Acenaphthylene	14.08	152	2518	0.075	ng	97
17) Acenaphthene	14.43	154	1869	0.077	ng	98
18) Fluorene	15.41	166	2371	0.078	ng	98
20) 4-Bromophenyl-phenylether	16.30	248	690	0.076	ng	# 91
21) Hexachlorobenzene	16.41	284	876	0.088	ng	97
22) Pentachlorophenol	16.76	266	352	0.143	ng	97
23) Phenanthrene	17.15	178	3887	0.077	ng	99
24) Anthracene	17.24	178	3910	0.082	ng	97
26) Fluoranthene	19.16	202	4906	0.077	ng	99
28) Pyrene	19.52	202	4889	0.093	ng	99
30) Benzo(a)anthracene	21.26	228	2526	0.063	ng	94
31) Chrysene	21.32	228	5984	0.100	ng	95
32) Bis(2-ethylhexyl)phthalate	21.20	149	5551	0.083	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.24	276	3312	0.070	ng	# 92
35) Benzo(b)fluoranthene	22.96	252	3096	0.066	ng	# 86
36) Benzo(k)fluoranthene	23.00	252	4607	0.068	ng	# 79
37) Benzo(a)pyrene	23.59	252	2905	0.064	ng	# 78
38) Dibenzo(a,h)anthracene	26.28	278	1837	0.044	ng	# 78
39) Benzo(g,h,i)perylene	27.02	276	3746	0.073	ng	# 88

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

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Misc : LOD-MDL-W-0.1NG
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampled :

Quant Time: Jan 09 17:56:21 2020
Quant Method : Z:\svoasrv\HPCHEM1\BNA E\Methods\8270-SIM-BE010820.M
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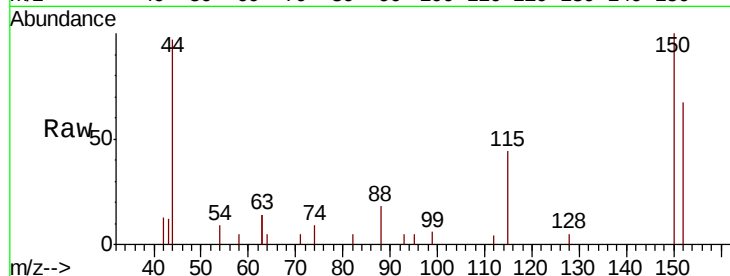


#1

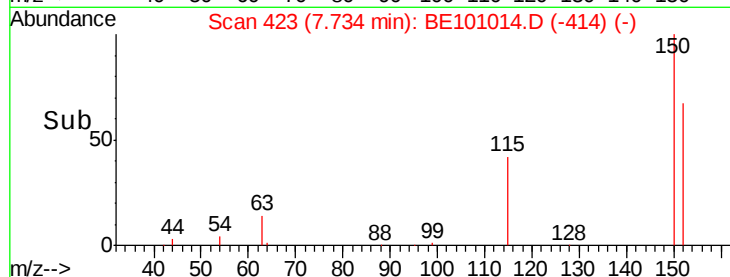
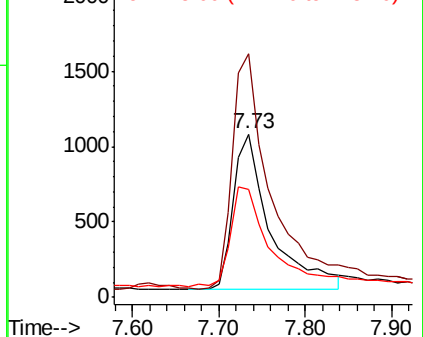
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 423
Delta R.T. -0.00 min
Lab File: BE101014.D
Acq: 9 Jan 2020 16:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 3034
Ion Ratio Lower Upper
152 100
150 149.2 120.3 180.5
115 66.2 51.7 77.5



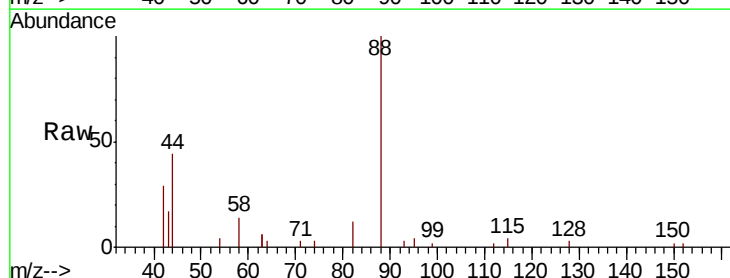
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



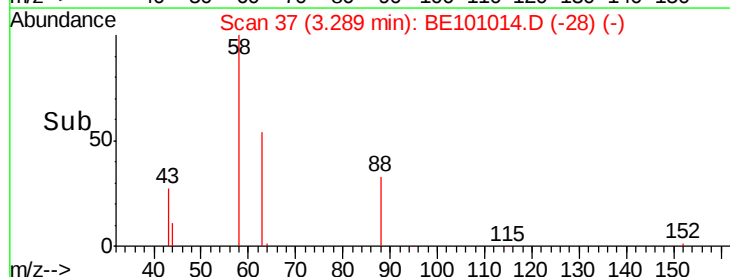
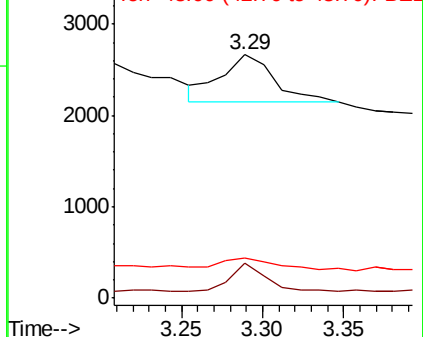
#2

1,4-Dioxane
Concen: 0.154 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101014.D
Acq: 9 Jan 2020 16:53

Tgt Ion: 88 Resp: 1189
Ion Ratio Lower Upper
88 100
58 36.5 53.0 79.4#
43 20.1 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



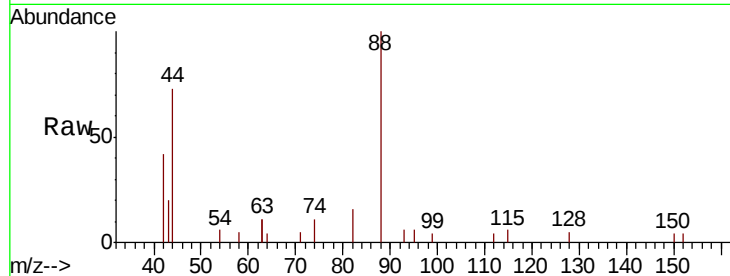


#3

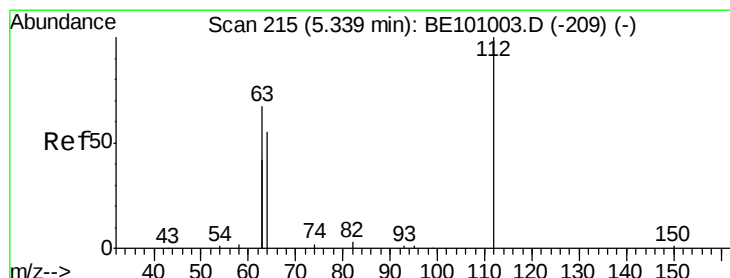
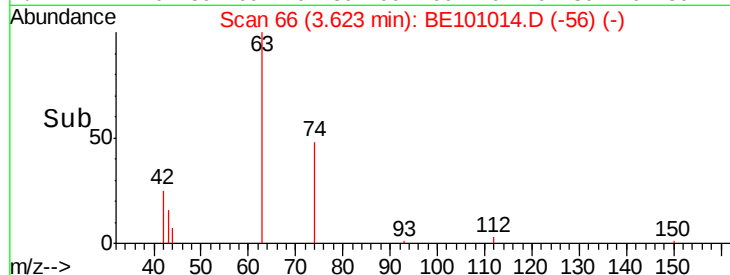
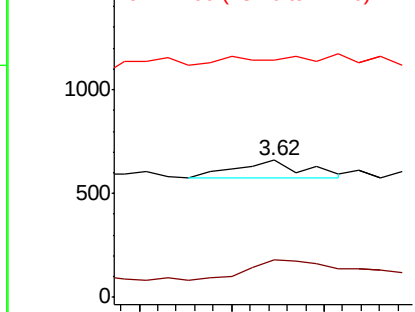
n-Nitrosodimethylamine
 Concen: 0.052 ng
 RT: 3.62 min Scan# 66
 Delta R.T. 0.01 min
 Lab File: BE101014.D
 Acq: 9 Jan 2020 16:53

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 219
 Ion Ratio Lower Upper
 42 100
 74 146.6 105.7 158.5
 44 0.0 10.0 15.0#



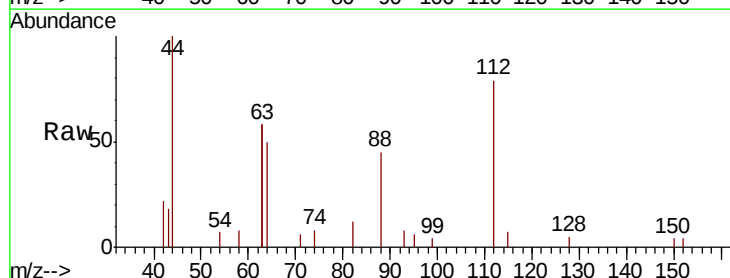
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



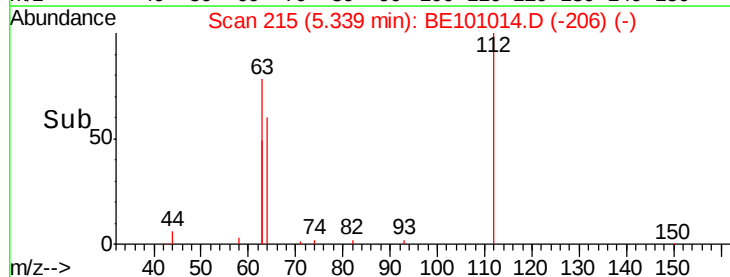
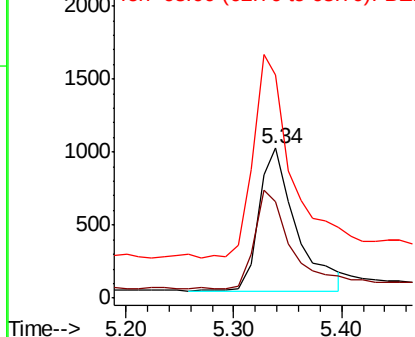
#4

2-Fluorophenol
 Concen: 0.342 ng
 RT: 5.34 min Scan# 215
 Delta R.T. -0.00 min
 Lab File: BE101014.D
 Acq: 9 Jan 2020 16:53

Tgt Ion: 112 Resp: 2338
 Ion Ratio Lower Upper
 112 100
 64 68.4 53.6 80.4
 63 149.1 114.6 172.0



Abundance Ion 112.00 (111.70 to 112.70): BE1
 Ion 64.00 (63.70 to 64.70): BE1
 Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.288 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampled :

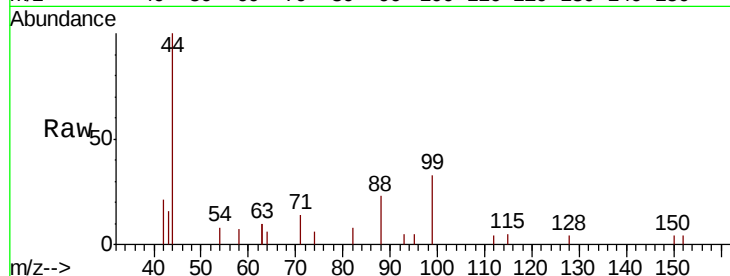
Tot Ion: 99 Resp: 2486

Ion Ratio Lower Upper

99 100

42 17.4 18.3 27.5#

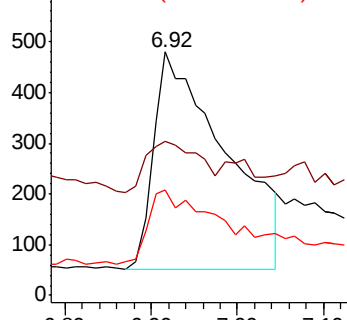
71 33.1 28.0 42.0



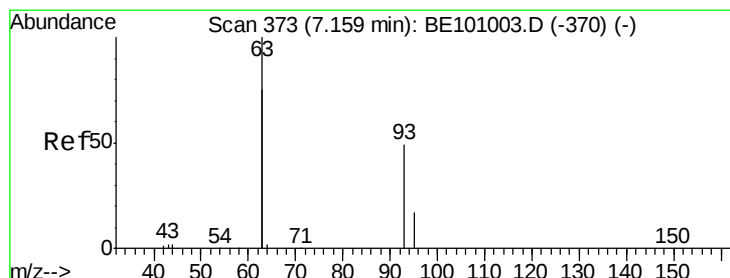
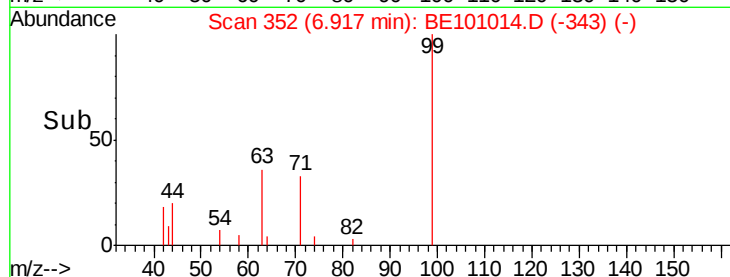
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.063 ng

RT: 7.17 min Scan# 374

Delta R.T. 0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

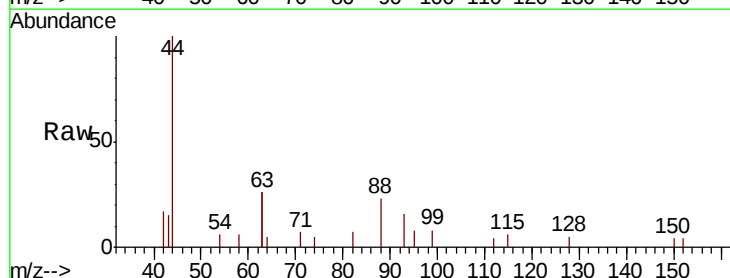
Tgt Ion: 93 Resp: 651

Ion Ratio Lower Upper

93 100

63 330.1 233.9 350.9

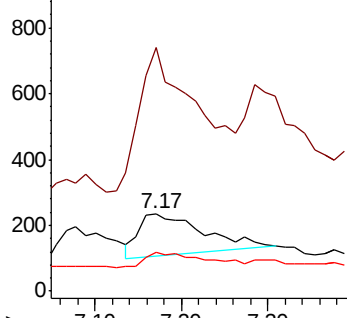
95 32.4 23.5 35.3



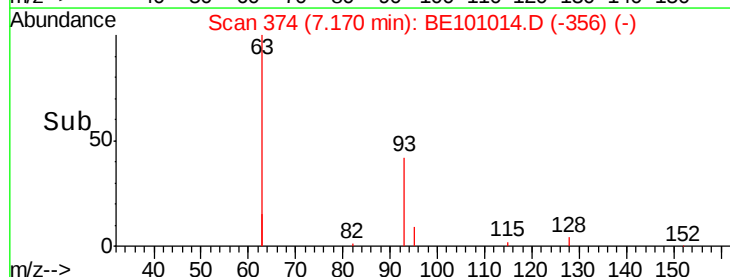
Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.51 min Scan# 642

Delta R.T. 0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13245

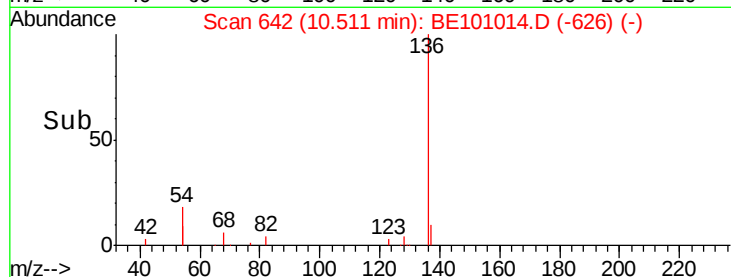
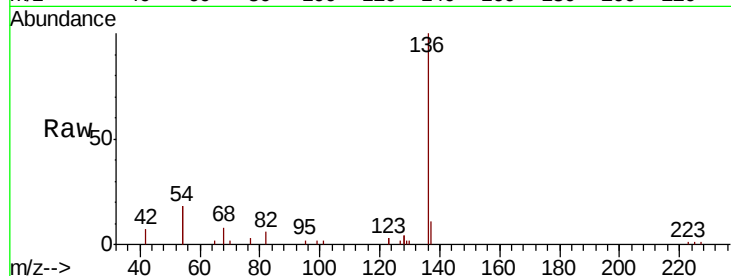
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 35.9 36.8 55.2#

68 8.0 8.4 12.6#

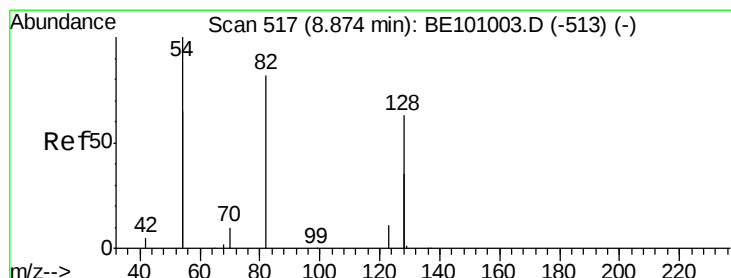
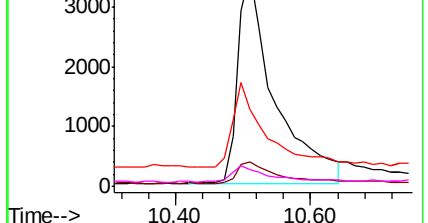


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.292 ng

RT: 8.89 min Scan# 517

Delta R.T. 0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

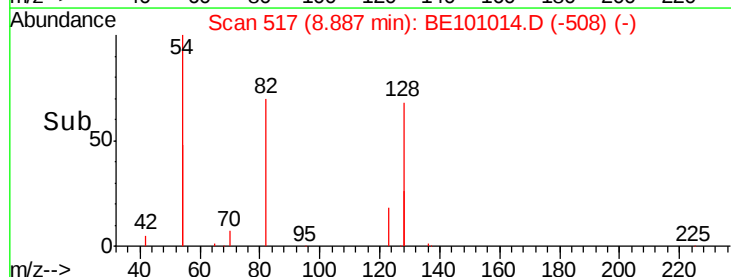
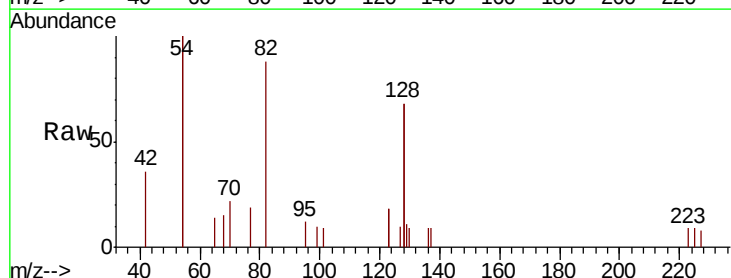
Tgt Ion: 82 Resp: 2768

Ion Ratio Lower Upper

82 100

128 154.5 109.8 164.6

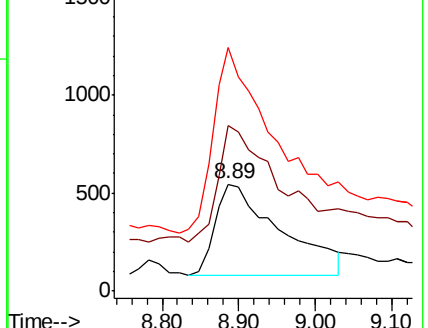
54 227.9 174.5 261.7

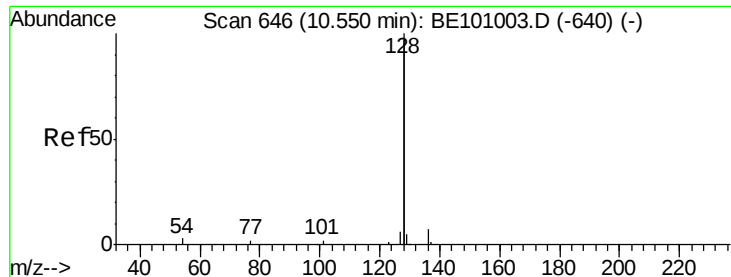


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.092 ng

RT: 10.55 min Scan# 645

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

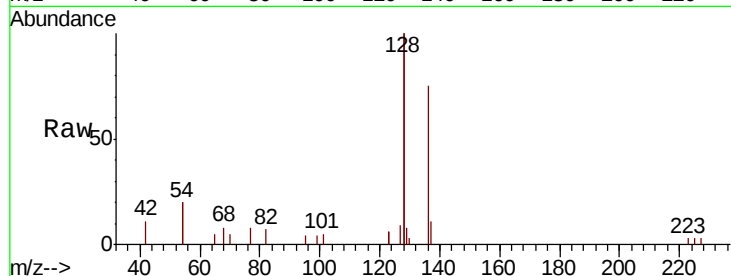
Tot Ion:128 Resp: 13533

Ion Ratio Lower Upper

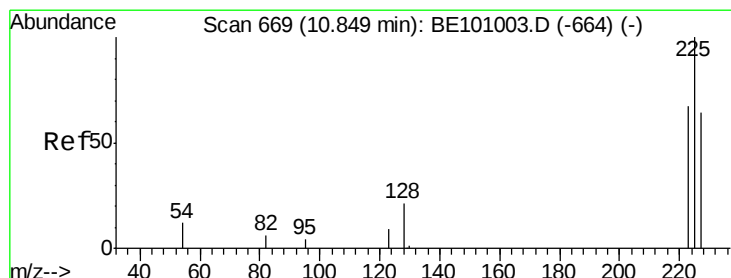
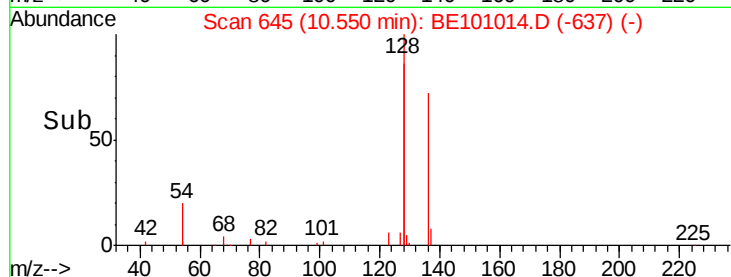
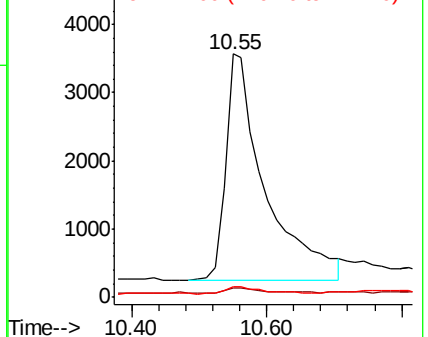
128 100

129 4.0 2.3 3.5#

127 4.4 2.7 4.1#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.090 ng

RT: 10.85 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

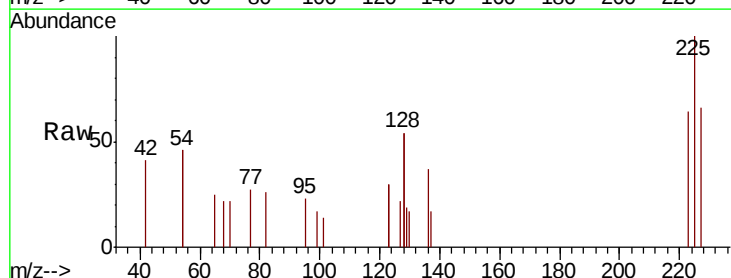
Tgt Ion:225 Resp: 559

Ion Ratio Lower Upper

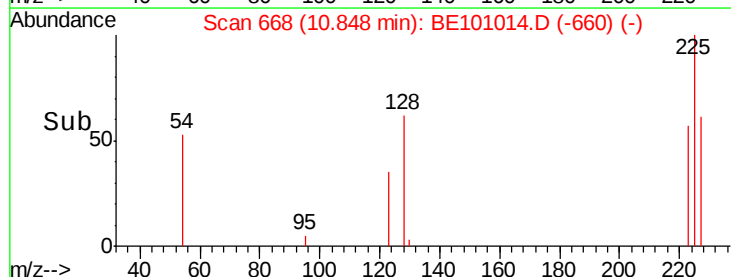
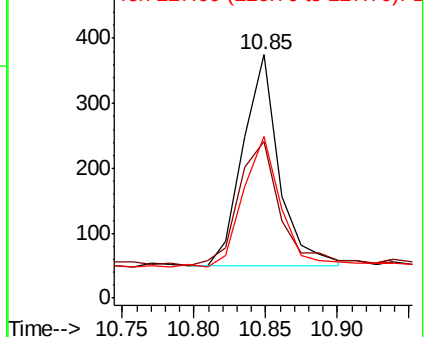
225 100

223 68.0 52.2 78.4

227 65.8 49.9 74.9



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

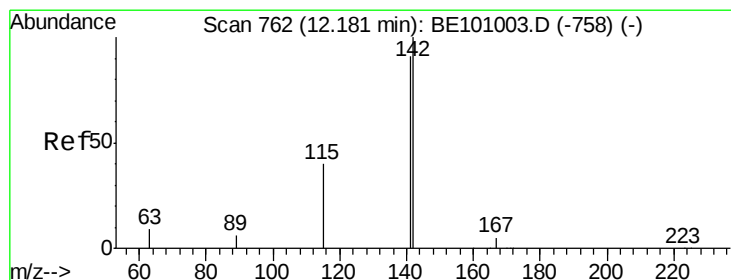
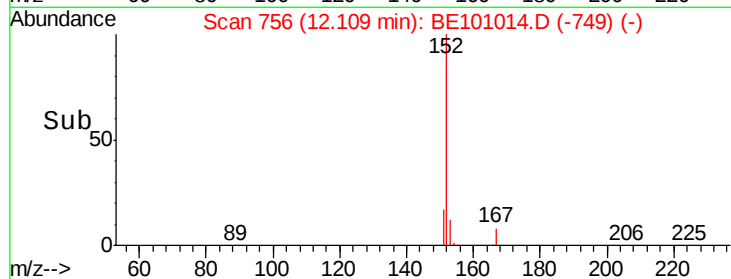
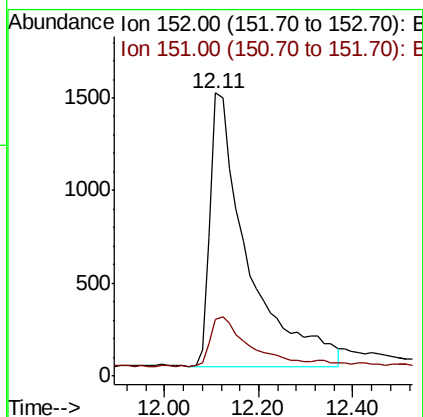
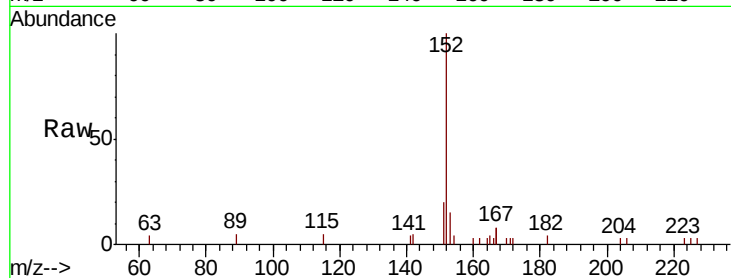




#11
 2-Methylnaphthalene-d10
 Concen: 0.324 ng
 RT: 12.11 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BE101014.D
 Acq: 9 Jan 2020 16:53

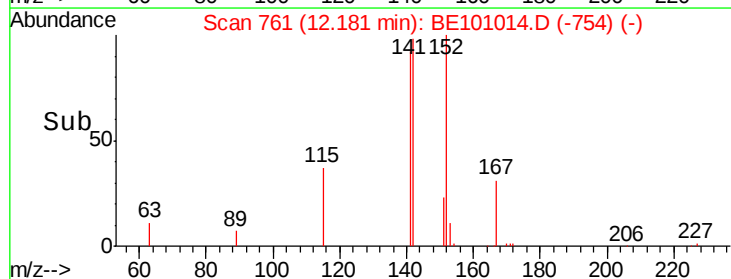
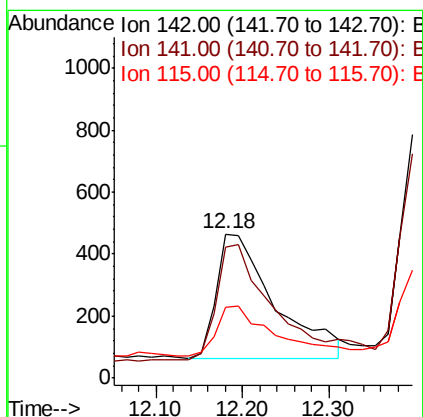
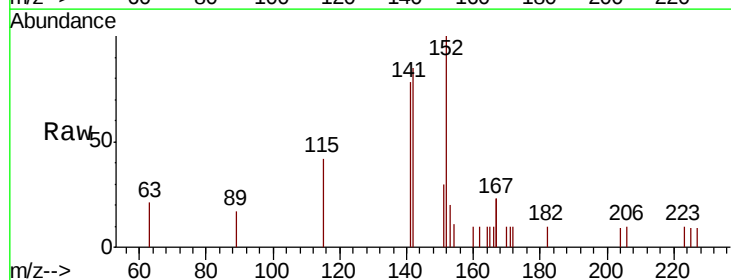
Instrument :
 BNA_E
 ClientSampleId :

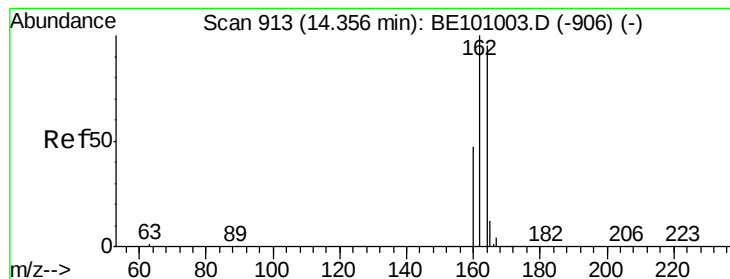
Tot Ion:152 Resp: 8198
 Ion Ratio Lower Upper
 152 100
 151 18.4 15.0 22.6



#12
 2-Methylnaphthalene
 Concen: 0.085 ng
 RT: 12.18 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BE101014.D
 Acq: 9 Jan 2020 16:53

Tgt Ion:142 Resp: 1884
 Ion Ratio Lower Upper
 142 100
 141 91.4 72.5 108.7
 115 49.4 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: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

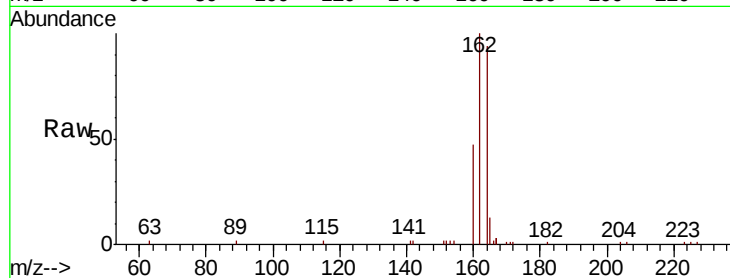
Tot Ion:164 Resp: 8296

Ion Ratio Lower Upper

164 100

162 106.7 84.1 126.1

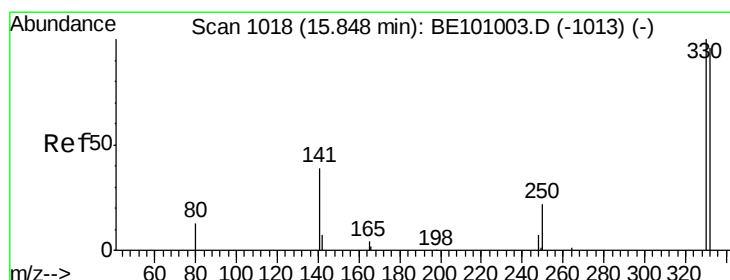
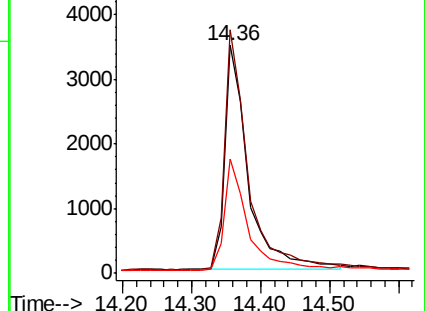
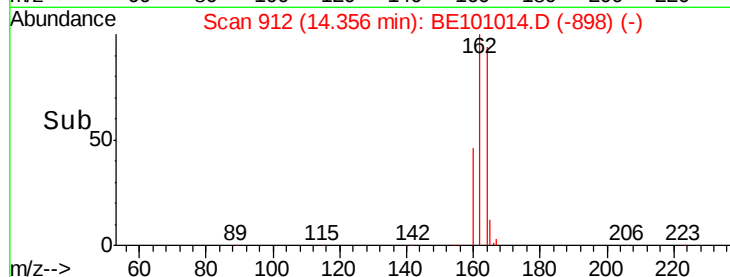
160 50.3 40.4 60.6



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: 0.231 ng

RT: 15.85 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

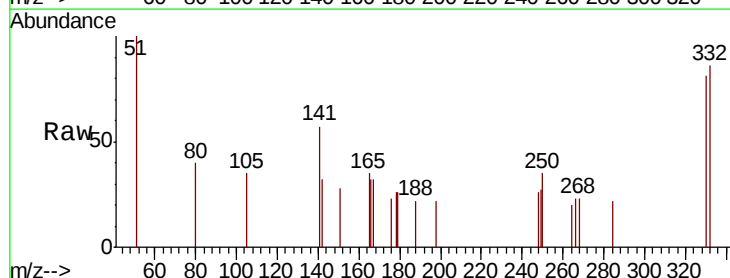
Tgt Ion:330 Resp: 540

Ion Ratio Lower Upper

330 100

332 108.0 78.4 117.6

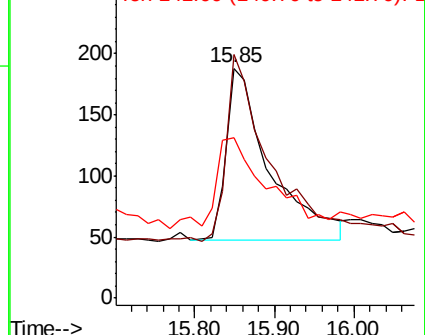
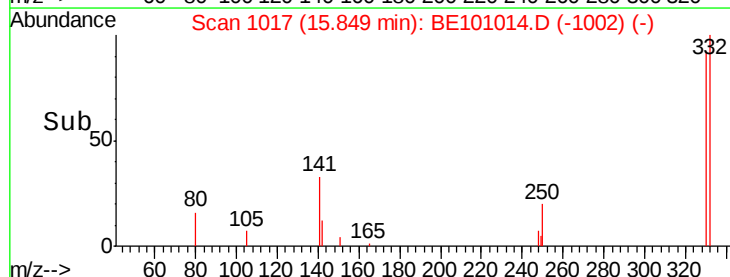
141 63.1 37.0 55.4#



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

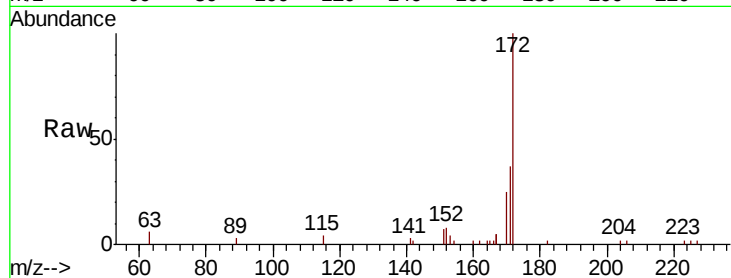




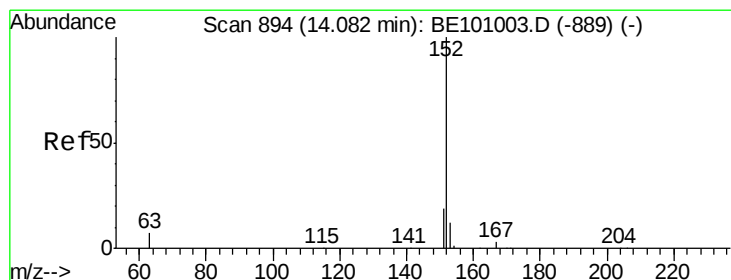
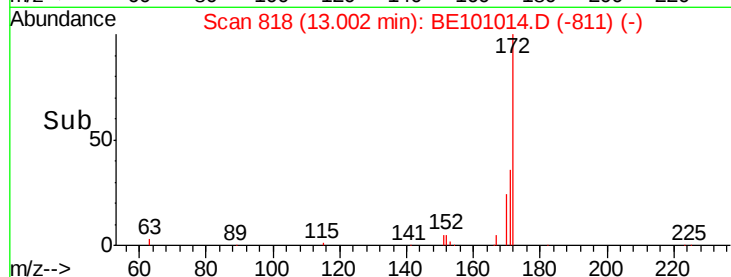
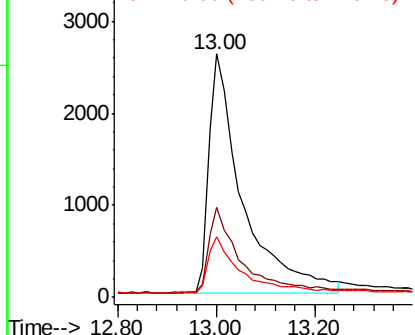
#15
2-Fluorobiphenyl
Concen: 0.388 ng
RT: 13.00 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE101014.D
Acq: 9 Jan 2020 16:53

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 12239
Ion Ratio Lower Upper
172 100
171 37.1 28.2 42.2
170 25.1 18.9 28.3

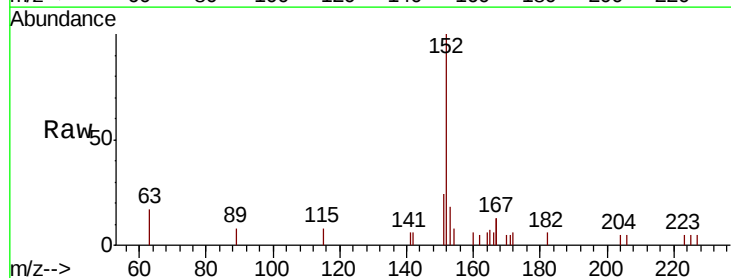


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

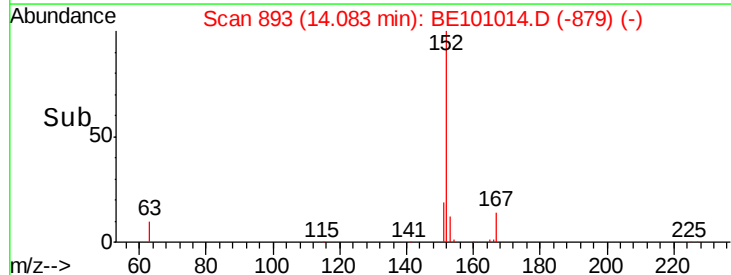
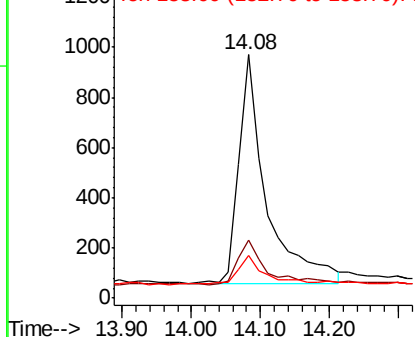


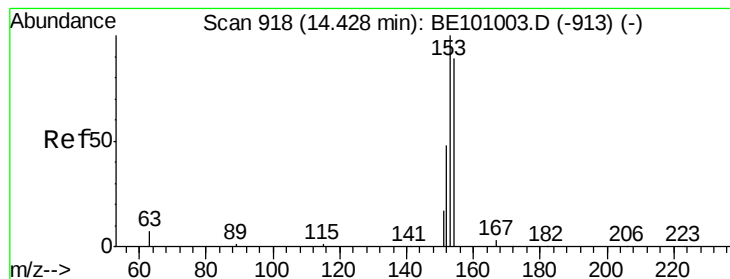
#16
Acenaphthylene
Concen: 0.075 ng
RT: 14.08 min Scan# 893
Delta R.T. 0.00 min
Lab File: BE101014.D
Acq: 9 Jan 2020 16:53

Tgt Ion:152 Resp: 2518
Ion Ratio Lower Upper
152 100
151 20.7 15.5 23.3
153 12.1 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: 0.077 ng

RT: 14.43 min Scan# 917

Delta R.T. 0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

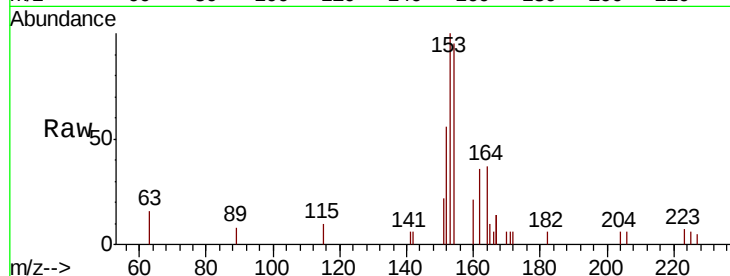
Tot Ion:154 Resp: 1869

Ion Ratio Lower Upper

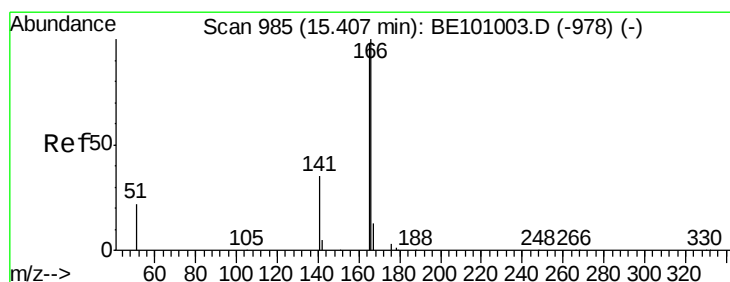
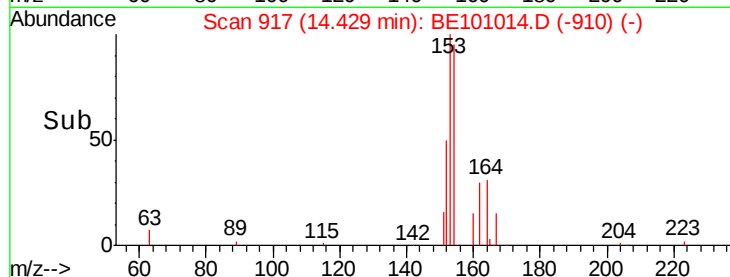
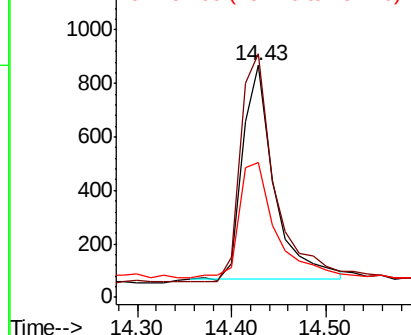
154 100

153 117.5 93.6 140.4

152 61.5 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: 0.078 ng

RT: 15.41 min Scan# 984

Delta R.T. 0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

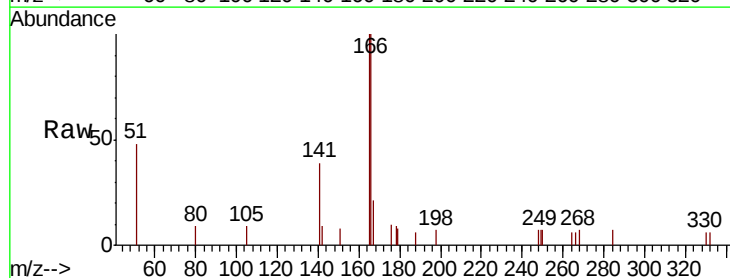
Tgt Ion:166 Resp: 2371

Ion Ratio Lower Upper

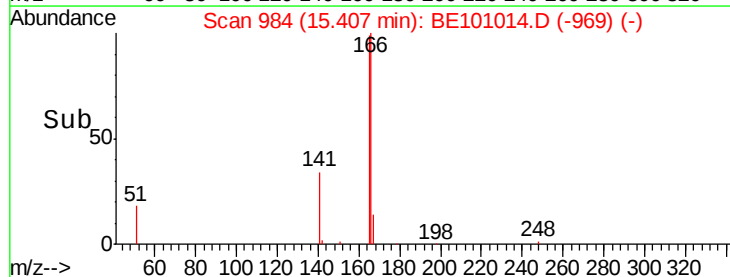
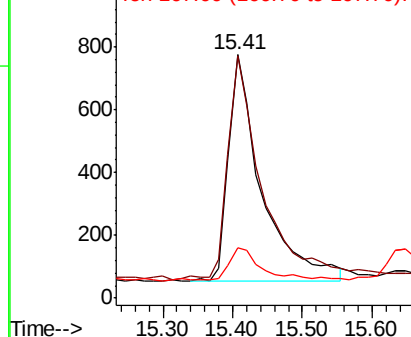
166 100

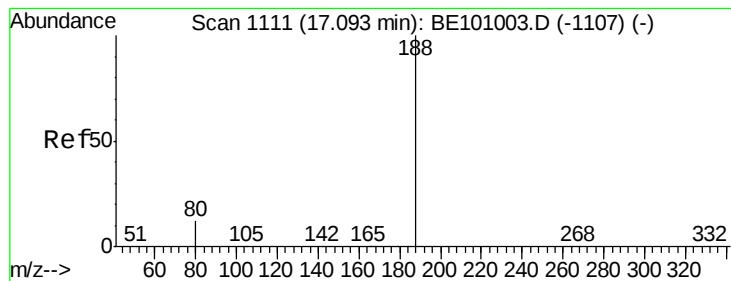
165 101.9 79.8 119.8

167 14.1 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: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

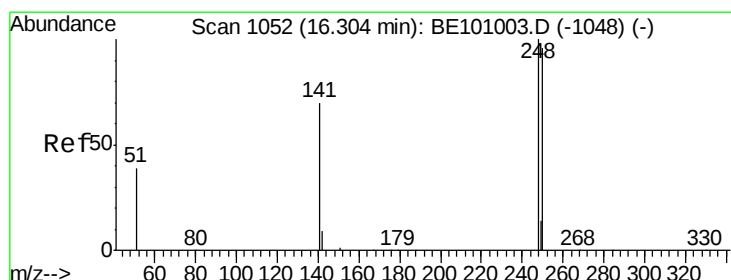
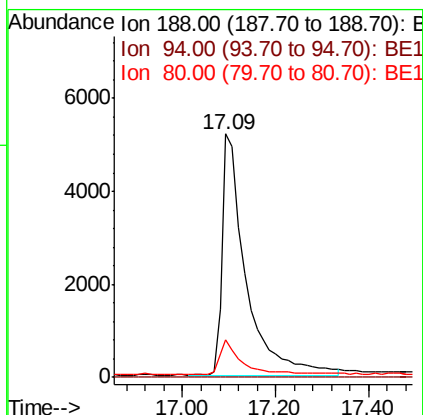
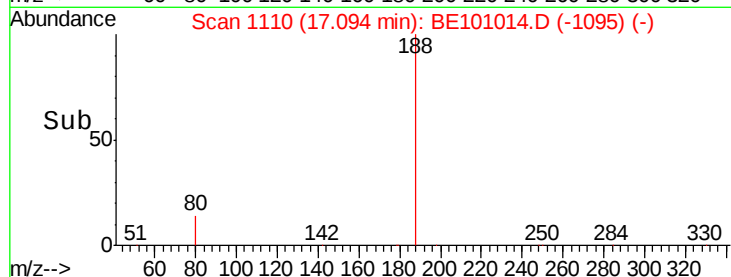
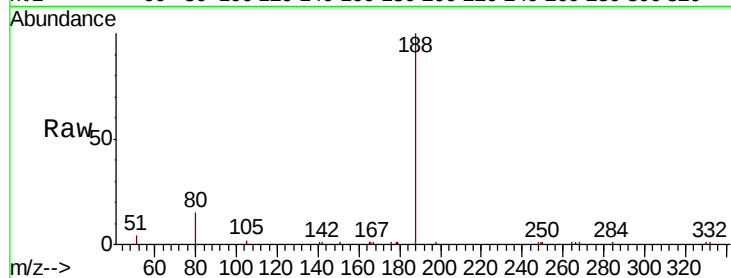
Tot Ion:188 Resp: 18585

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 15.4 10.8 16.2



#20

4-Bromophenyl-phenylether

Concen: 0.076 ng

RT: 16.30 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

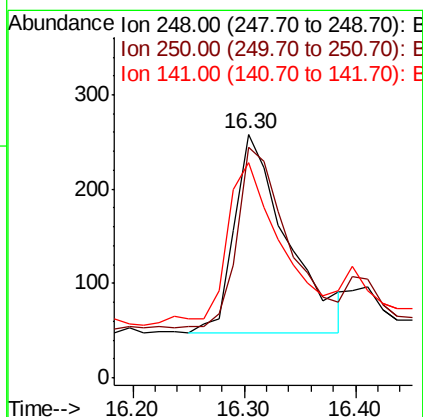
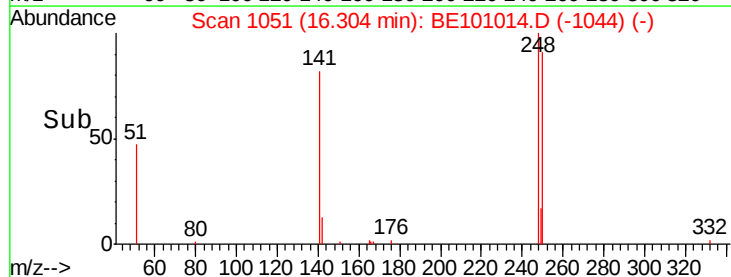
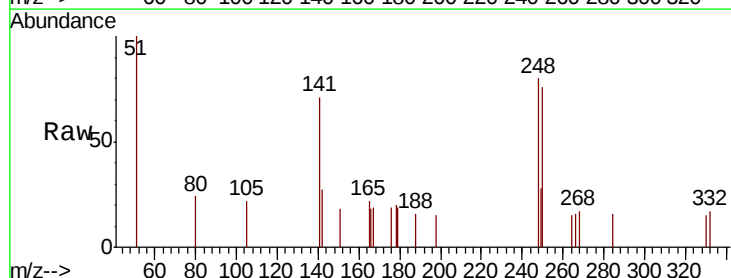
Tgt Ion:248 Resp: 690

Ion Ratio Lower Upper

248 100

250 95.0 76.6 115.0

141 88.4 57.7 86.5#





#21

Hexachlorobenzene

Concen: 0.088 ng

RT: 16.41 min Scan# 1059

Delta R.T. 0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

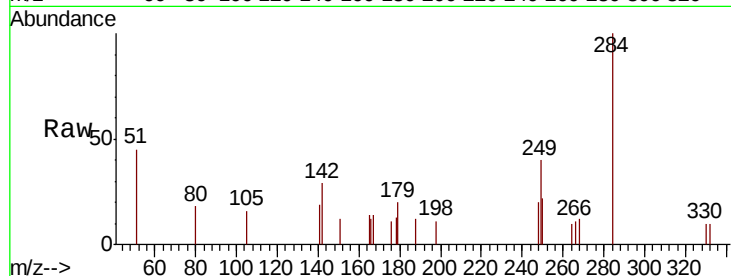
Tot Ion:284 Resp: 876

Ion Ratio Lower Upper

284 100

142 39.6 34.0 51.0

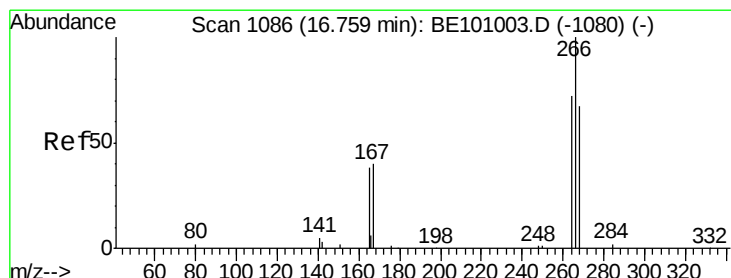
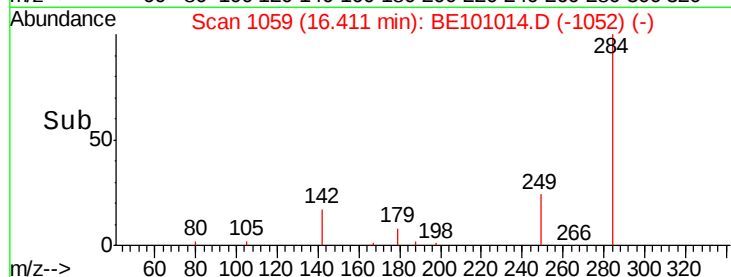
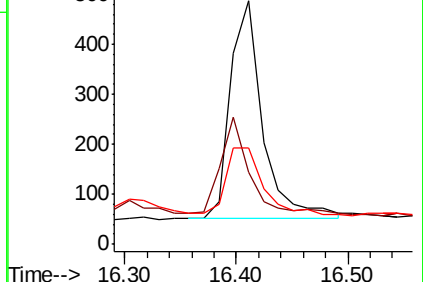
249 36.3 28.2 42.4



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: 0.143 ng

RT: 16.76 min Scan# 1085

Delta R.T. 0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

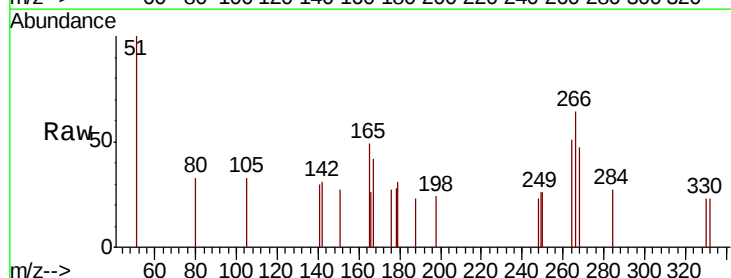
Tgt Ion:266 Resp: 352

Ion Ratio Lower Upper

266 100

264 80.3 61.0 91.4

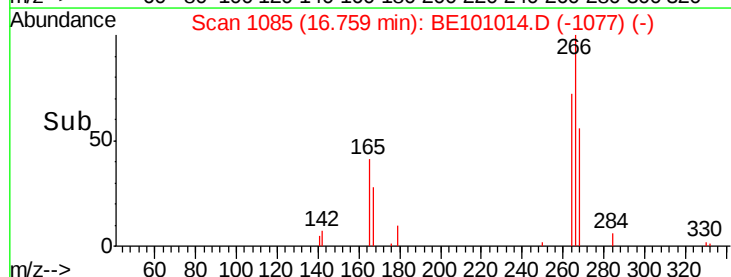
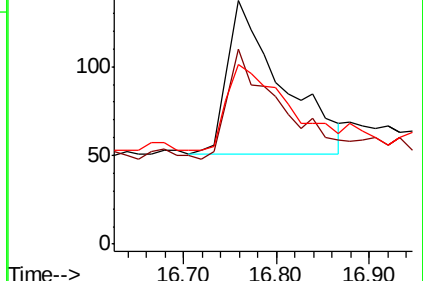
268 73.7 58.5 87.7



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: 0.077 ng

RT: 17.15 min Scan# 1114

Delta R.T. 0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

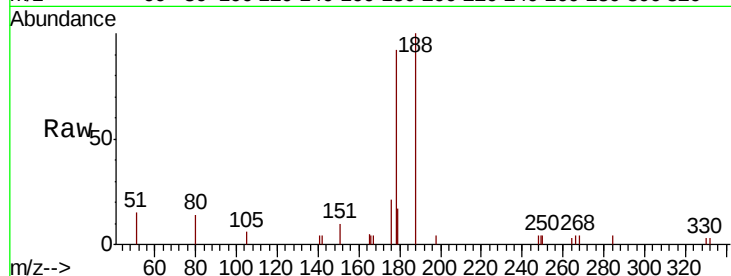
Instrument :

BNA_E

ClientSampleId :

Tot Ion:178 Resp: 3887

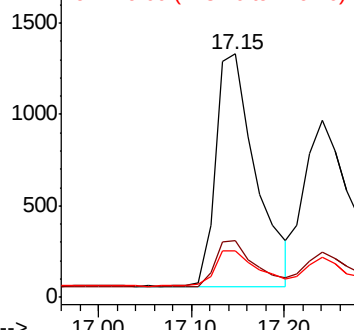
Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	16.0	12.0	18.0



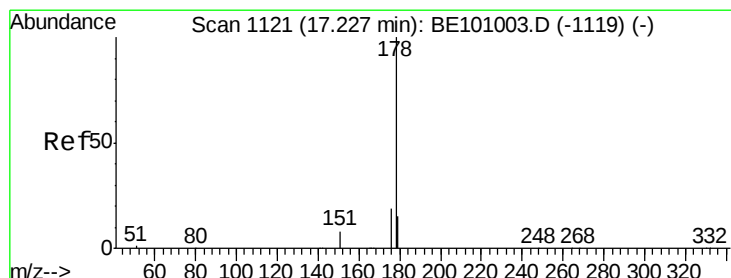
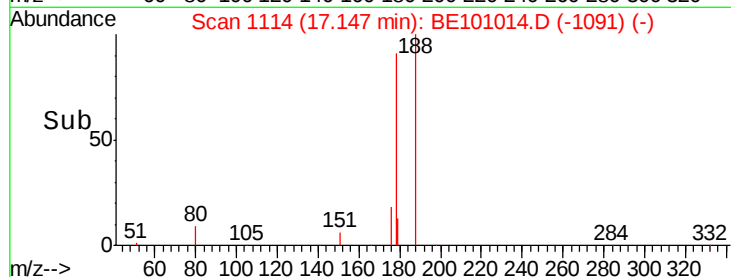
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#24

Anthracene

Concen: 0.082 ng

RT: 17.24 min Scan# 1121

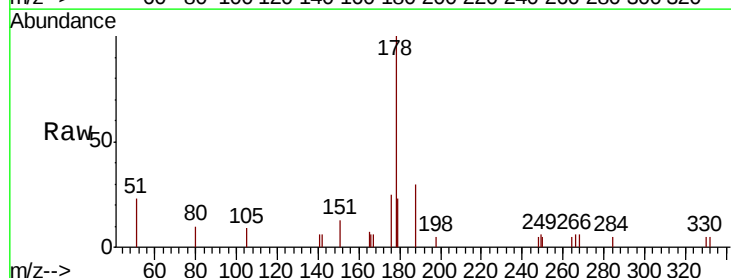
Delta R.T. 0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Tgt Ion:178 Resp: 3910

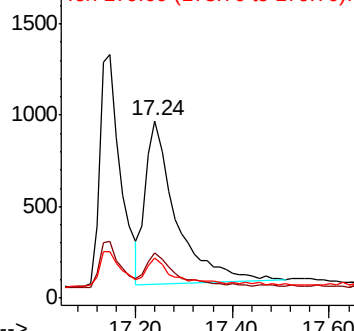
Ion	Ratio	Lower	Upper
178	100		
176	19.4	14.8	22.2
179	13.5	12.4	18.6



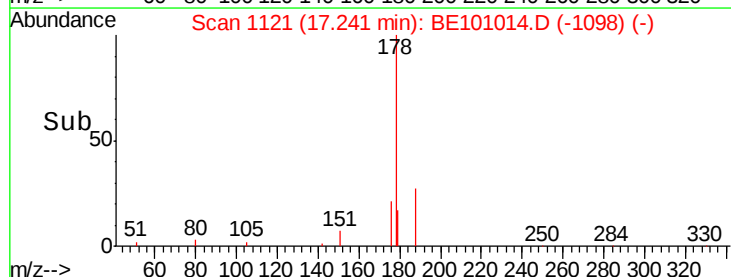
Abundance Ion 178.00 (177.70 to 178.70): E

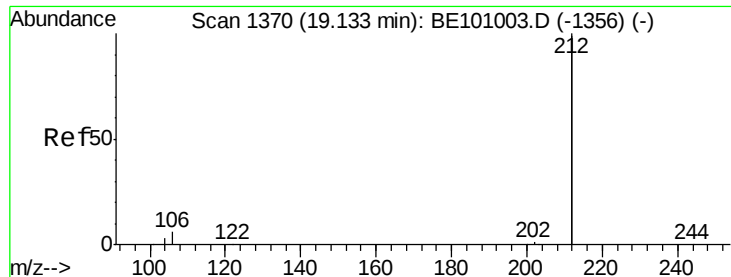
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#25

Fluoranthene-d10

Concen: 0.294 ng

RT: 19.13 min Scan# 1368

Delta R.T. -0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

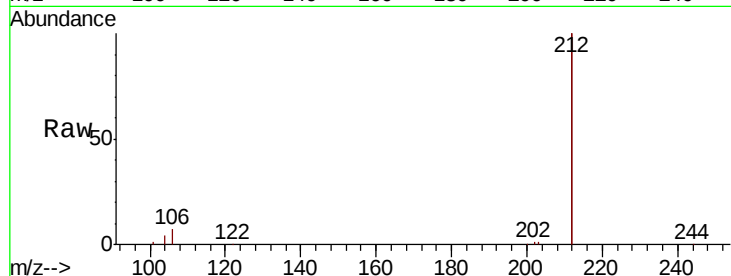
Tot Ion:212 Resp: 75779

Ion Ratio Lower Upper

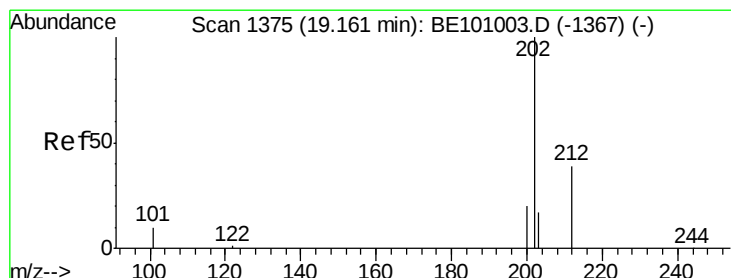
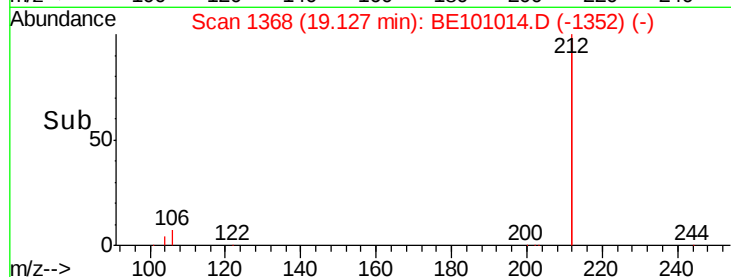
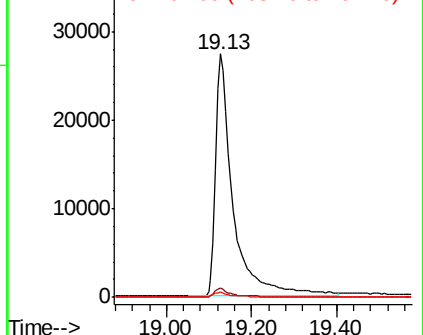
212 100

106 3.1 2.6 3.8

104 1.7 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: 0.077 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

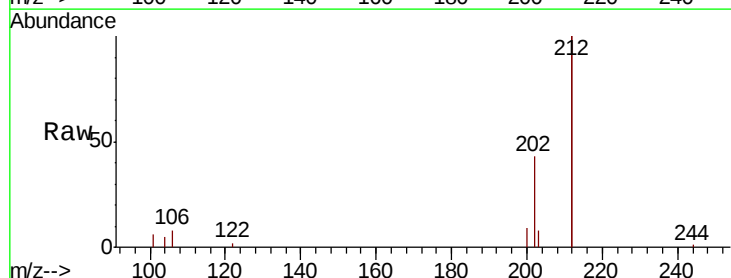
Tgt Ion:202 Resp: 4906

Ion Ratio Lower Upper

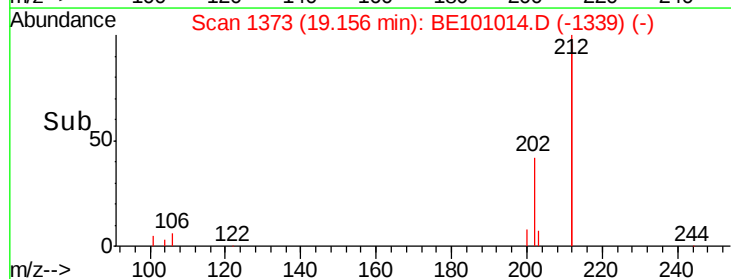
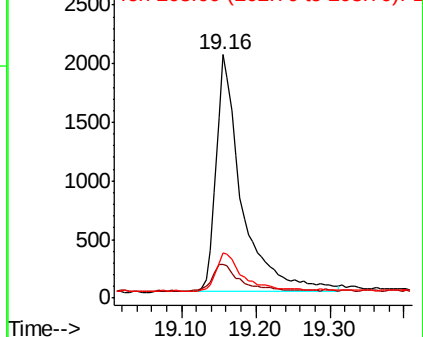
202 100

101 12.2 9.6 14.4

203 16.3 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: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

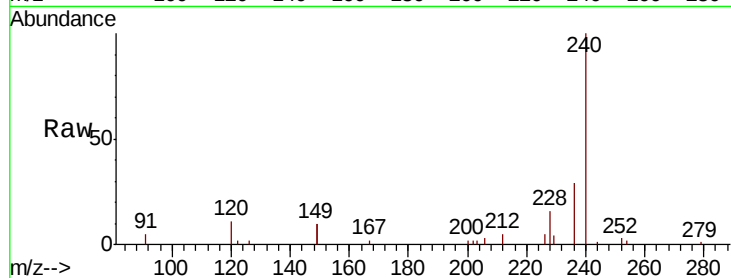
Tot Ion:240 Resp: 14105

Ion Ratio Lower Upper

240 100

120 11.1 8.6 13.0

236 28.6 22.2 33.4

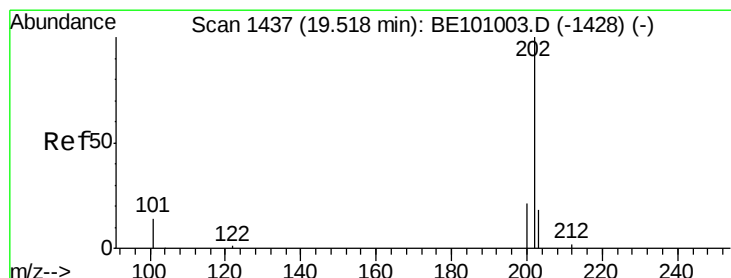
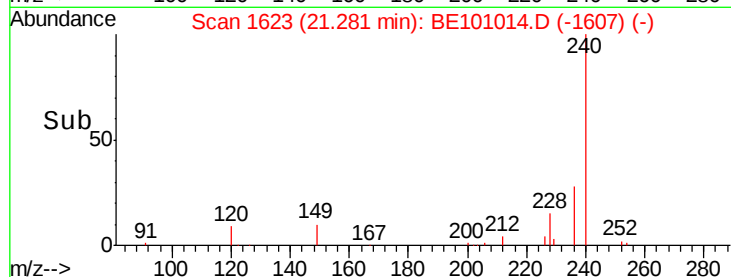
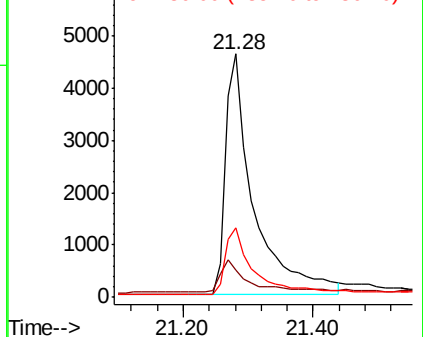


Abundance

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: 0.093 ng

RT: 19.52 min Scan# 1436

Delta R.T. 0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

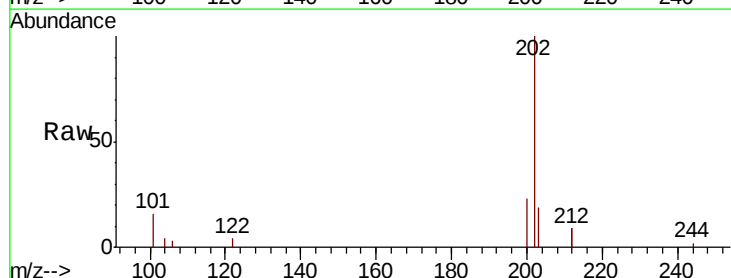
Tgt Ion:202 Resp: 4889

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

203 17.6 13.8 20.6

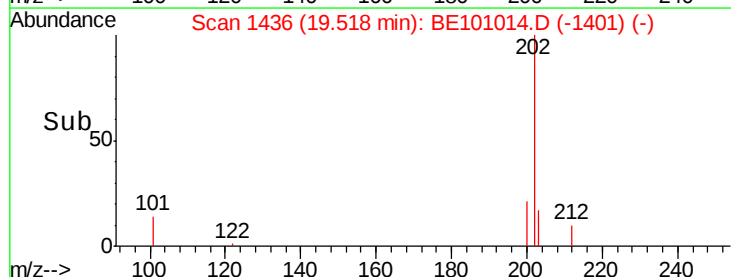
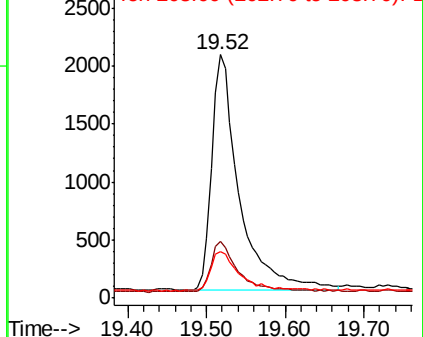


Abundance

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: 0.430 ng

RT: 19.73 min Scan# 1473

Delta R.T. -0.01 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

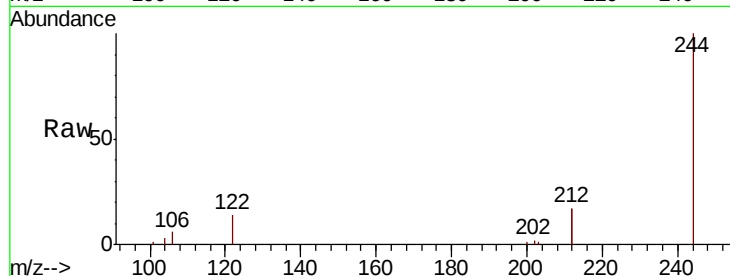
Tot Ion:244 Resp: 14902

Ion Ratio Lower Upper

244 100

212 34.8 27.2 40.8

122 14.0 9.8 14.8

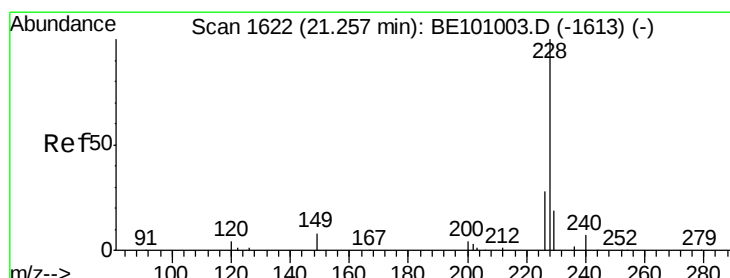
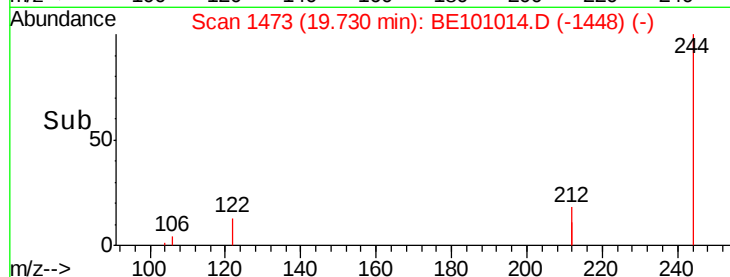
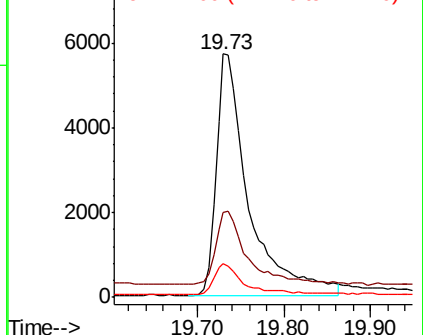


Abundance

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: 0.063 ng

RT: 21.26 min Scan# 1621

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

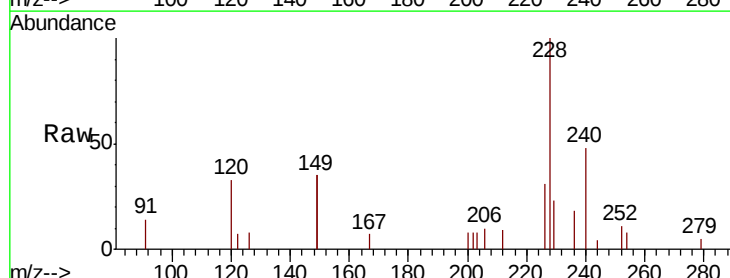
Tgt Ion:228 Resp: 2526

Ion Ratio Lower Upper

228 100

226 30.8 22.7 34.1

229 22.9 15.5 23.3

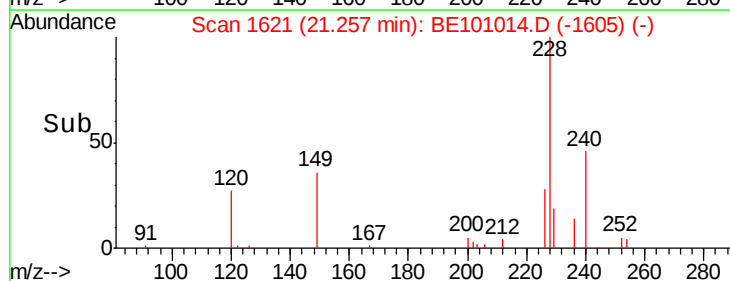
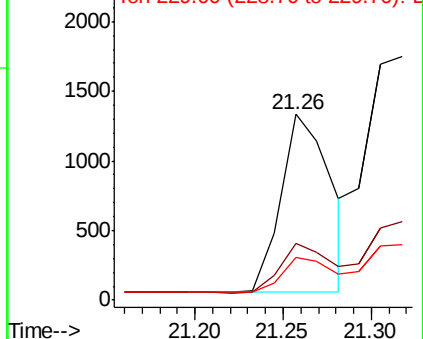


Abundance

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: 0.100 ng

RT: 21.32 min Scan# 1626

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

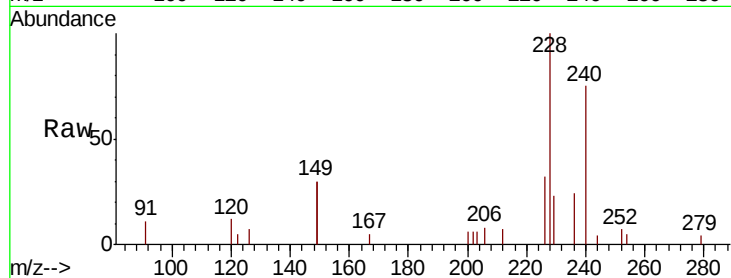
Tot Ion:228 Resp: 5984

Ion Ratio Lower Upper

228 100

226 32.2 23.5 35.3

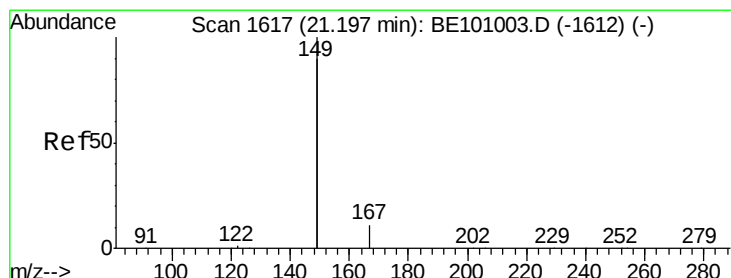
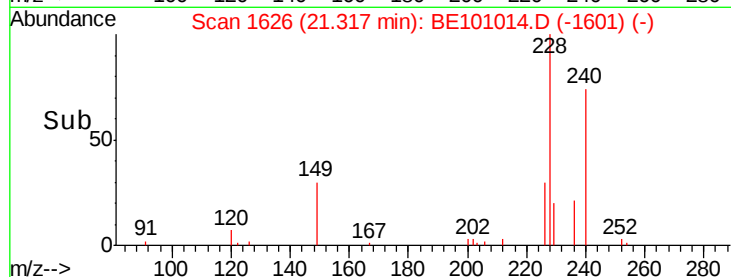
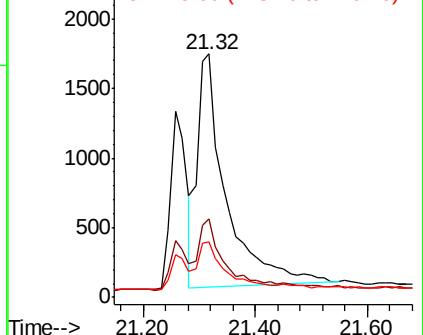
229 22.6 16.7 25.1



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: 0.083 ng

RT: 21.20 min Scan# 1616

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

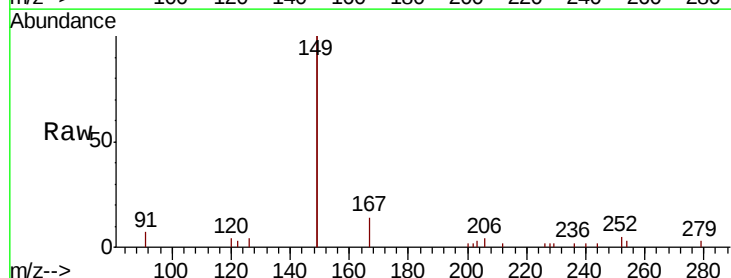
Tgt Ion:149 Resp: 5551

Ion Ratio Lower Upper

149 100

167 6.9 5.2 7.8

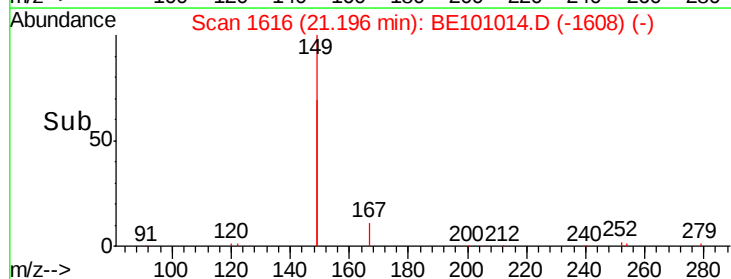
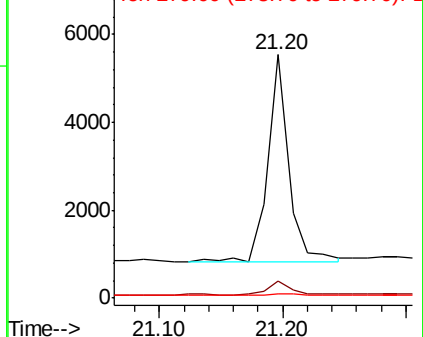
279 1.3 0.8 1.2#



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

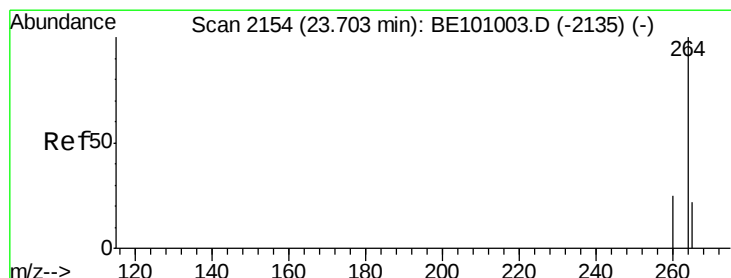
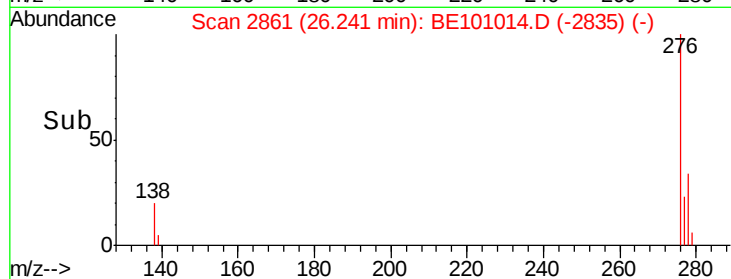
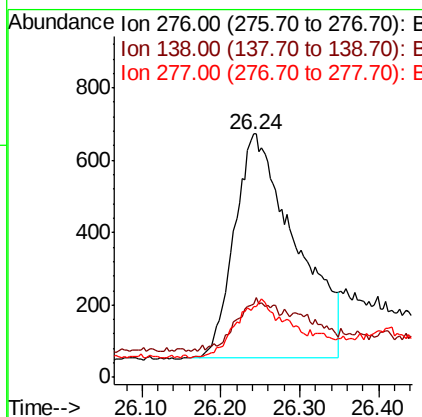
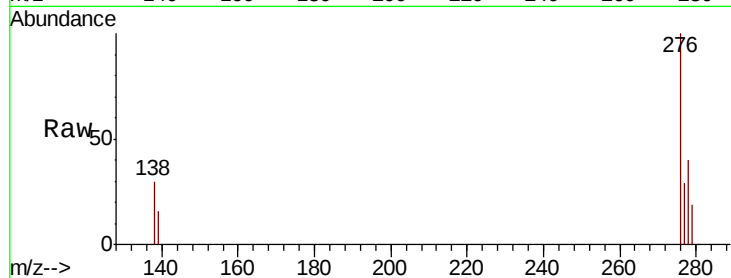




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.070 ng
 RT: 26.24 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BE101014.D
 Acq: 9 Jan 2020 16:53

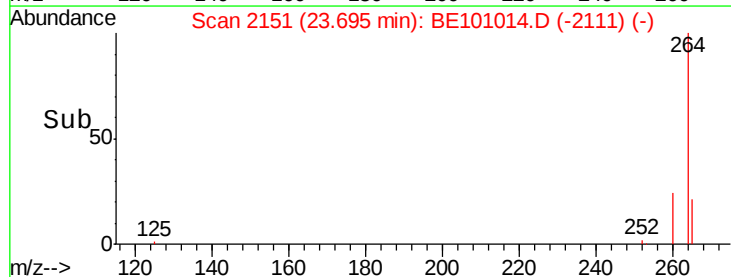
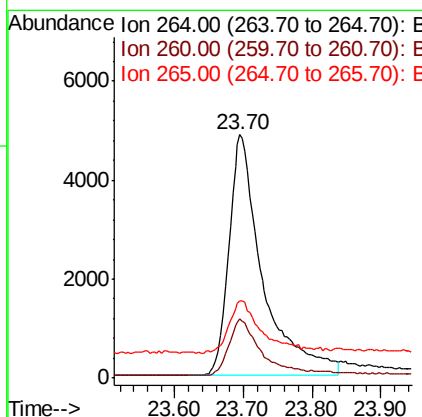
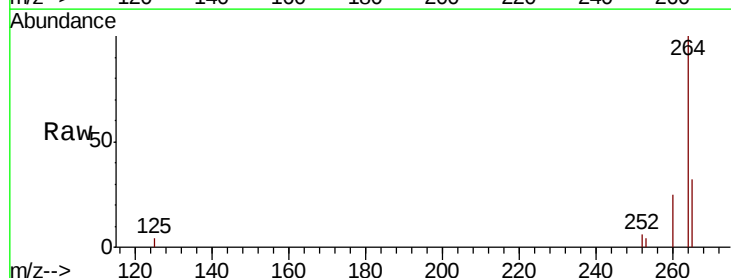
Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 3312
 Ion Ratio Lower Upper
 276 100
 138 14.5 16.1 24.1#
 277 20.8 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: BE101014.D
 Acq: 9 Jan 2020 16:53

Tgt Ion:264 Resp: 16666
 Ion Ratio Lower Upper
 264 100
 260 24.5 20.3 30.5
 265 31.9 27.0 40.4

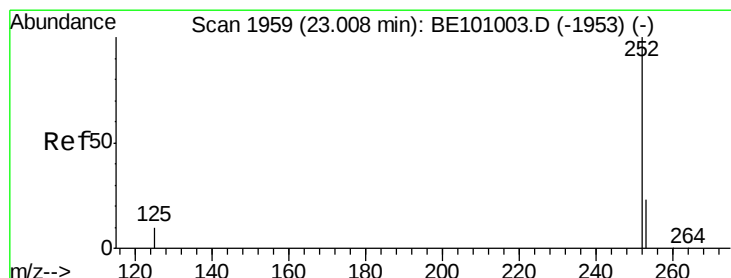
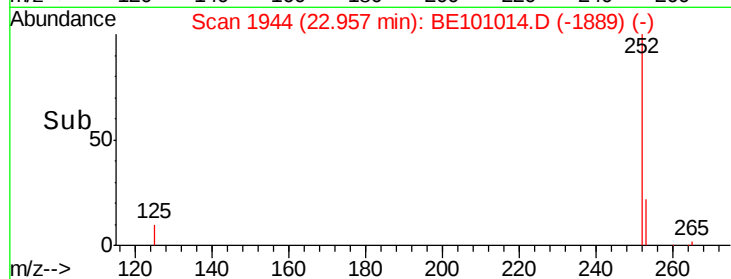
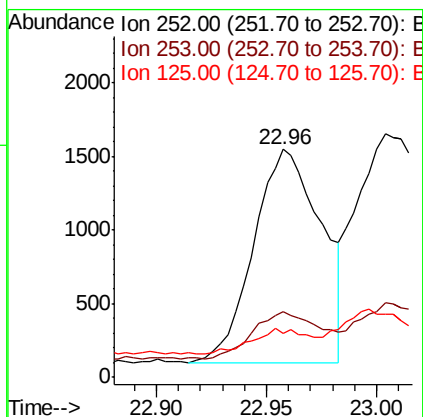
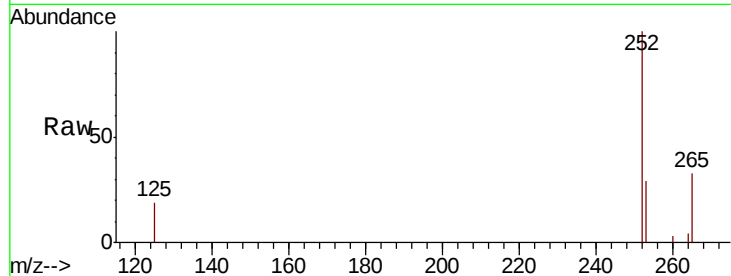




#35
Benzo(b)fluoranthene
Concen: 0.066 ng
RT: 22.96 min Scan# 1944
Delta R.T. -0.00 min
Lab File: BE101014.D
Acq: 9 Jan 2020 16:53

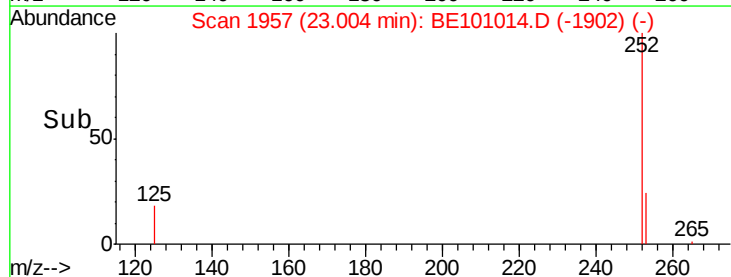
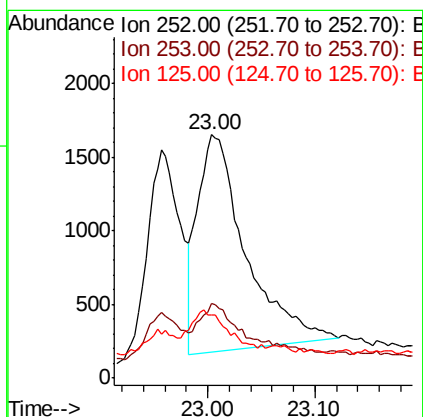
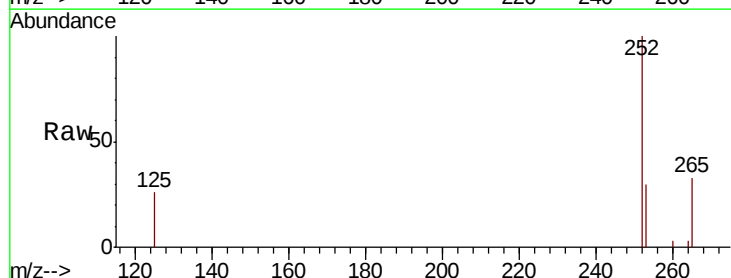
Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 3096
Ion Ratio Lower Upper
252 100
253 29.0 18.5 27.7#
125 19.2 9.5 14.3#



#36
Benzo(k)fluoranthene
Concen: 0.068 ng
RT: 23.00 min Scan# 1957
Delta R.T. -0.00 min
Lab File: BE101014.D
Acq: 9 Jan 2020 16:53

Tgt Ion:252 Resp: 4607
Ion Ratio Lower Upper
252 100
253 30.4 18.9 28.3#
125 26.2 10.1 15.1#





#37

Benzo(a)pyrene

Concen: 0.064 ng

RT: 23.59 min Scan# 2122

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :

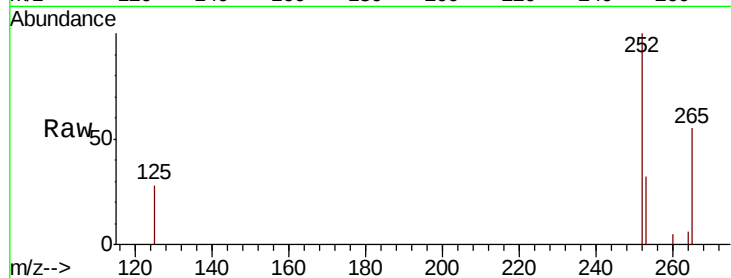
Tot Ion:252 Resp: 2905

Ion Ratio Lower Upper

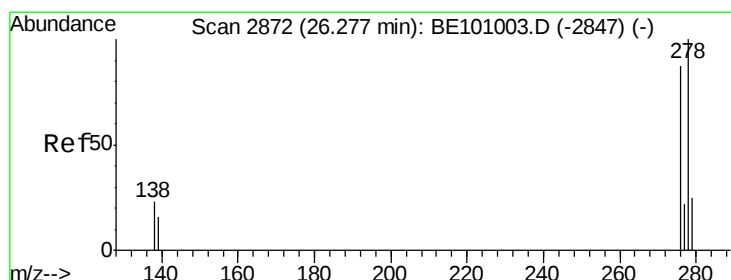
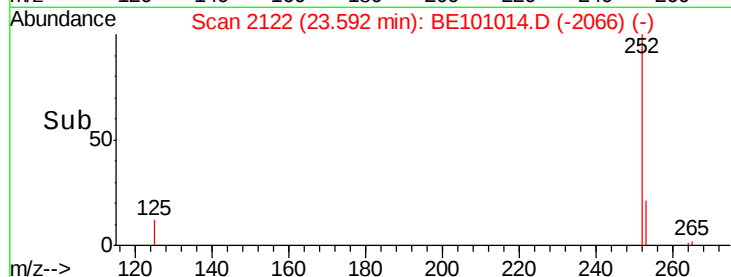
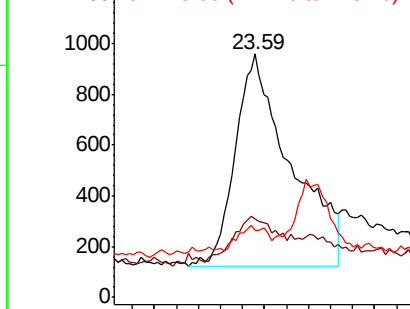
252 100

253 32.2 19.4 29.2#

125 27.7 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: 0.044 ng

RT: 26.28 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

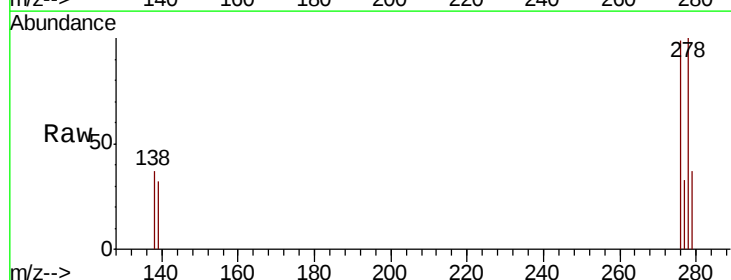
Tgt Ion:278 Resp: 1837

Ion Ratio Lower Upper

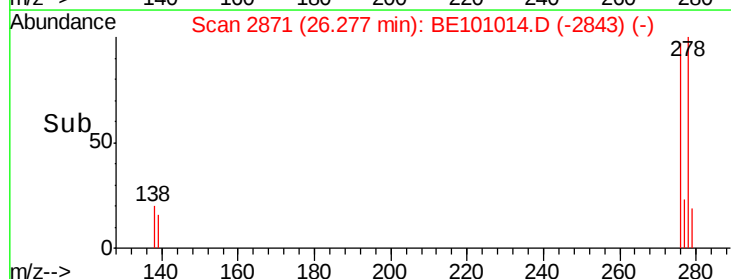
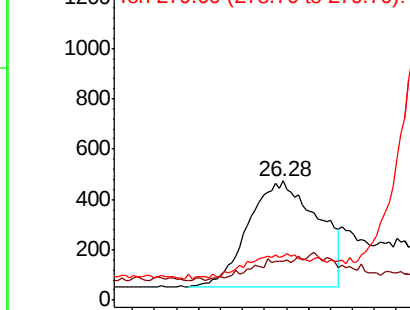
278 100

139 32.2 15.0 22.4#

279 37.1 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: 0.073 ng

RT: 27.02 min Scan# 3079

Delta R.T. -0.01 min

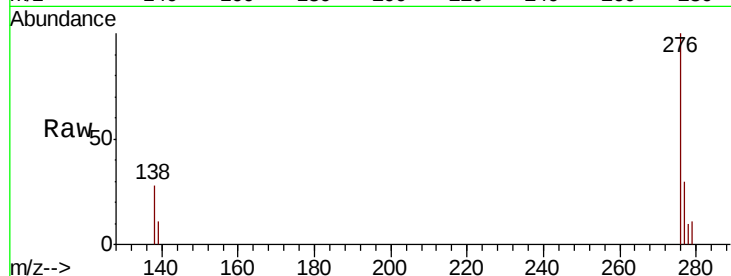
Lab File: BE101014.D

Acq: 9 Jan 2020 16:53

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 3746

Ion Ratio Lower Upper

276 100

277 29.9 19.4 29.2#

138 28.3 17.9 26.9#

