

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120519\
 Data File : BE100791.D
 Acq On : 5 Dec 2019 16:24
 Operator : JU
 Sample : K6053-02MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 05 18:02:58 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	7.76	152	5460	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	24092	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13211	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	27183	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	33275	0.40	ng	0.00
34) Perylene-d12	23.76	264	42454	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	6784	0.52	ng	0.00
5) Phenol-d6	6.93	99	11039	0.56	ng	0.00
8) Nitrobenzene-d5	8.90	82	7138	0.62	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	22380	0.64	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1542	1.05	ng	0.00
15) 2-Fluorobiphenyl	13.03	172	17368	0.33	ng	0.00
25) Fluoranthene-d10	19.16	212	118152	0.37	ng	0.00
29) Terphenyl-d14	19.76	244	24174	0.30	ng	0.00

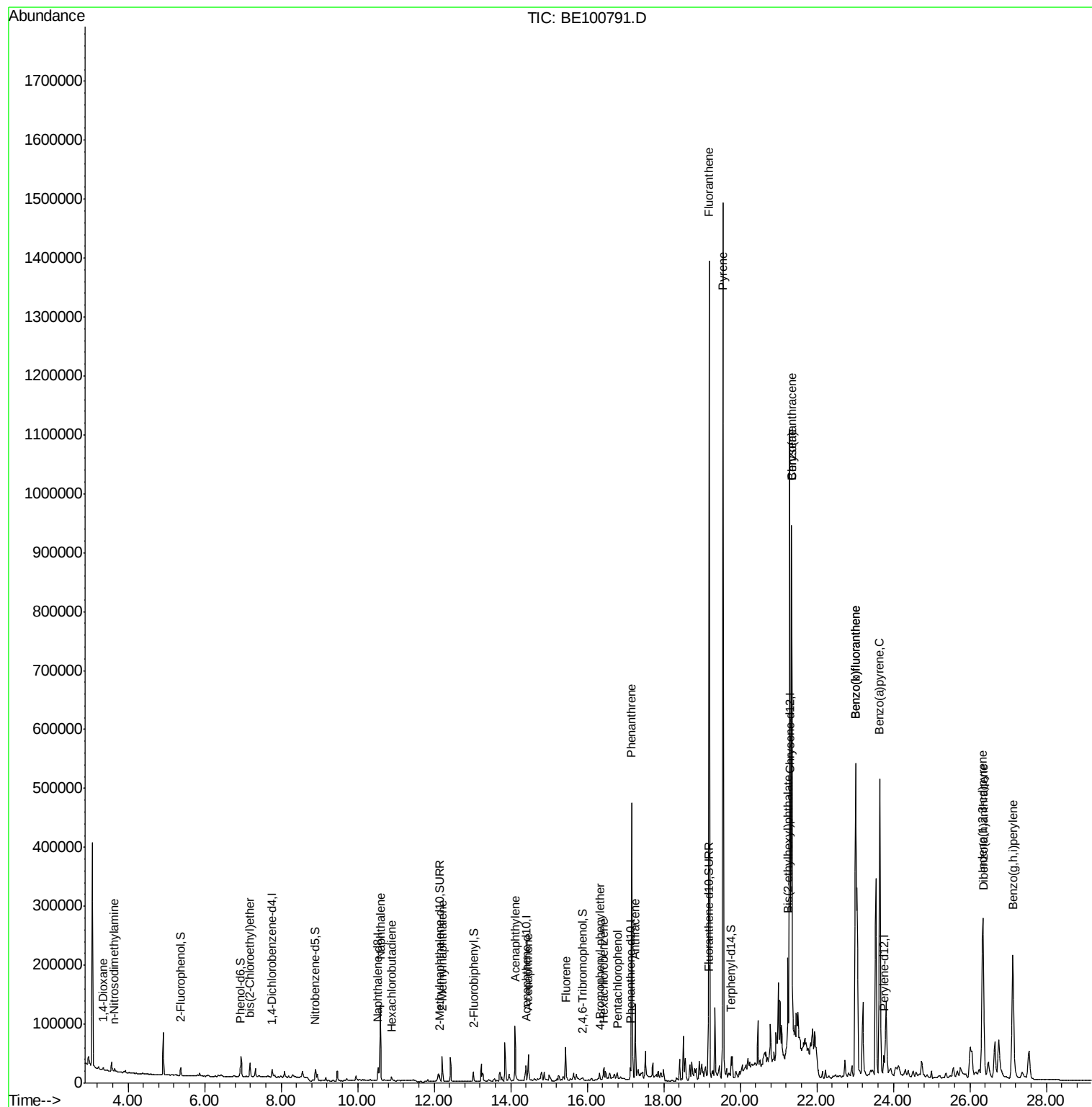
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.35	88	3072	0.309	ng	# 51
3) n-Nitrosodimethylamine	3.64	42	4161	0.514	ng	# 85
6) bis(2-Chloroethyl)ether	7.18	93	8559	0.453	ng	98
9) Naphthalene	10.59	128	199483	0.779	ng	100
10) Hexachlorobutadiene	10.89	225	3811	0.382	ng	99
12) 2-Methylnaphthalene	12.21	142	27826	0.696	ng	99
16) Acenaphthylene	14.11	152	114576	2.097	ng	100
17) Acenaphthene	14.46	154	21058	0.559	ng	98
18) Fluorene	15.43	166	46649	0.960	ng	93
20) 4-Bromophenyl-phenylether	16.33	248	5669	0.425	ng	95
21) Hexachlorobenzene	16.44	284	5212	0.360	ng	97
22) Pentachlorophenol	16.79	266	3757	3.749	ng	# 82
23) Phenanthrene	17.16	178	532054	6.462	ng	100
24) Anthracene	17.26	178	133846	1.944	ng	97
26) Fluoranthene	19.19	202	1191261	12.123	ng	98
28) Pyrene	19.55	202	1319940	12.208	ng	96
30) Benzo(a)anthracene	21.34	228	802156	8.179	ng	92
31) Chrysene	21.34	228	797938	6.924	ng	97
32) Bis(2-ethylhexyl)phthalate	21.24	149	167102	1.821	ng	99
33) Indeno(1,2,3-cd)pyrene	26.33	276	503514	5.015	ng	97
35) Benzo(b)fluoranthene	23.01	252	958682	8.248	ng	99
36) Benzo(k)fluoranthene	23.01	252	958682	7.355	ng	99
37) Benzo(a)pyrene	23.65	252	790453	7.855	ng	98
38) Dibenzo(a,h)anthracene	26.36	278	166584	1.664	ng	95
39) Benzo(g,h,i)perylene	27.12	276	497539	4.648	ng	99

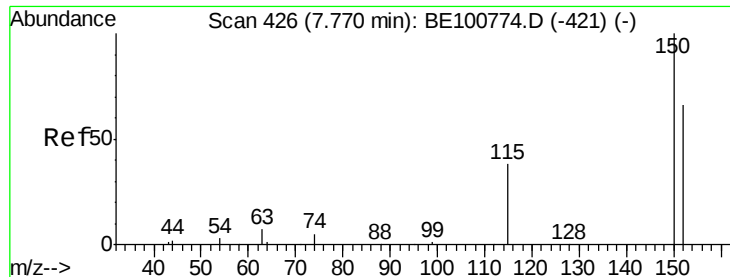
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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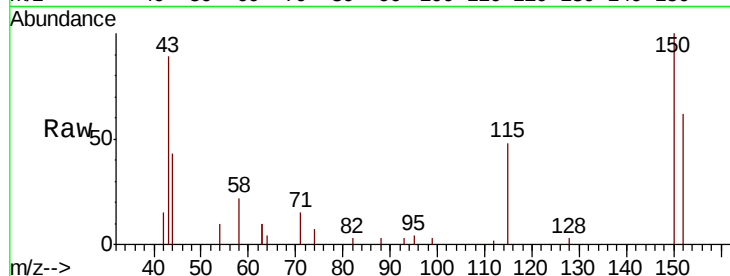


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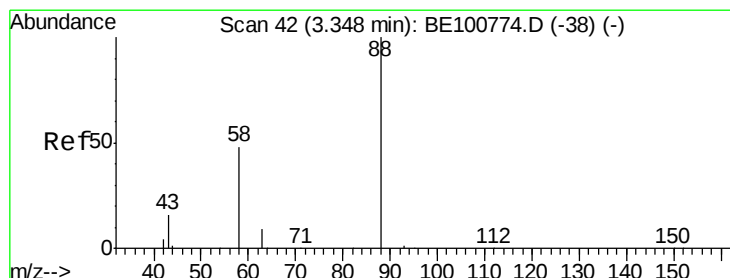
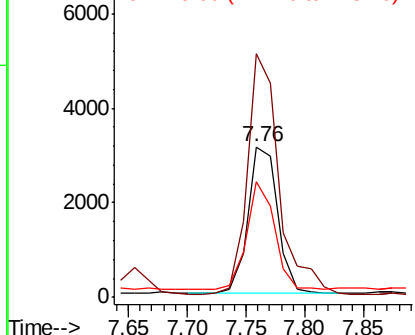
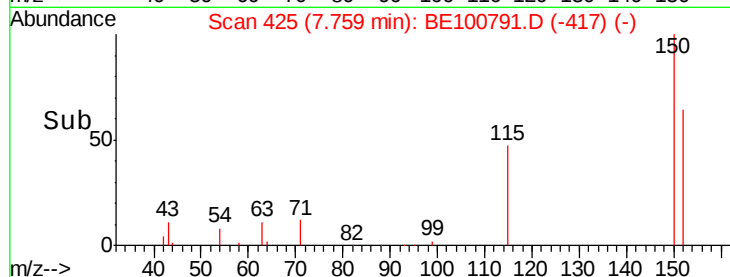
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 5460
Ion Ratio Lower Upper
152 100
150 161.8 120.6 181.0
115 77.1 47.4 71.2#



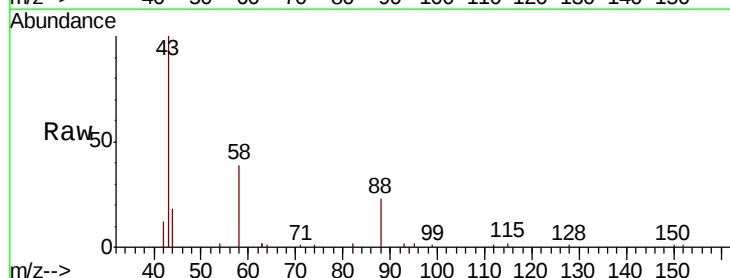
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



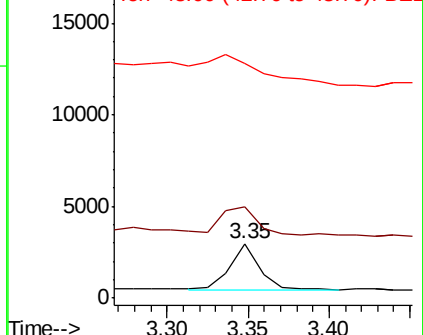
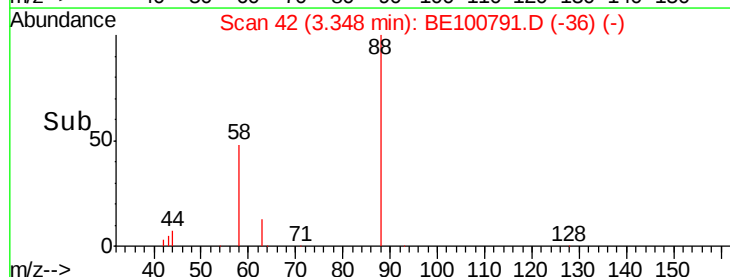
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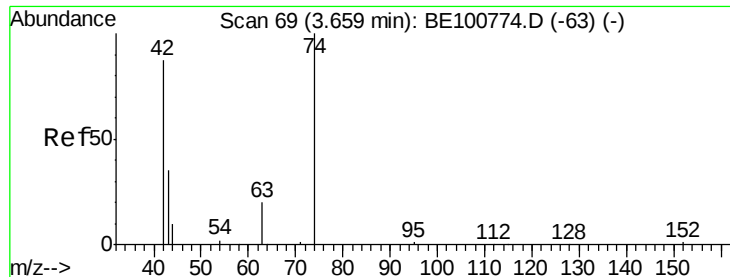
1,4-Dioxane
Concen: 0.309 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion: 88 Resp: 3072
Ion Ratio Lower Upper
88 100
58 103.2 52.5 78.7#
43 0.0 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



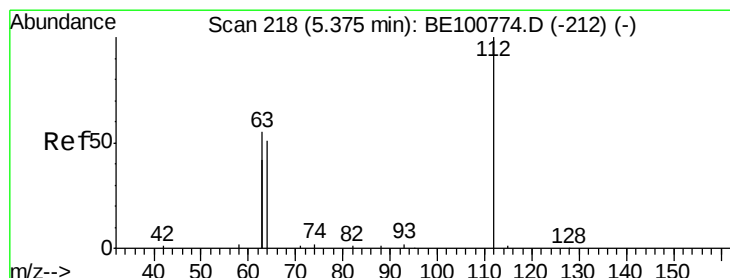
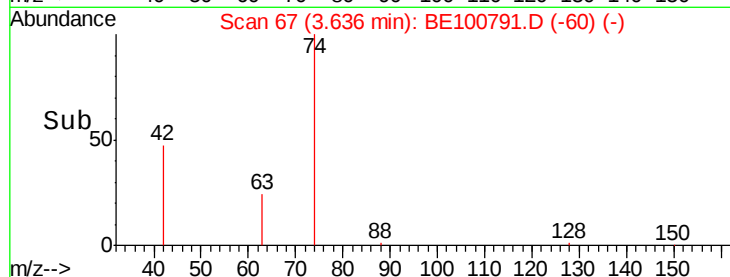
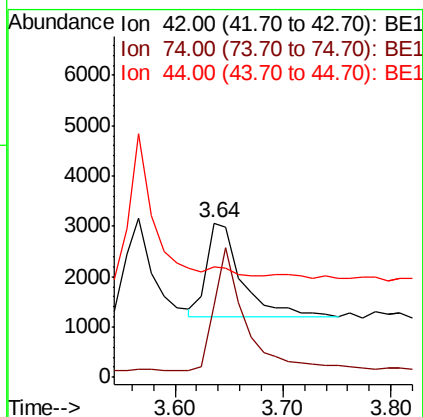
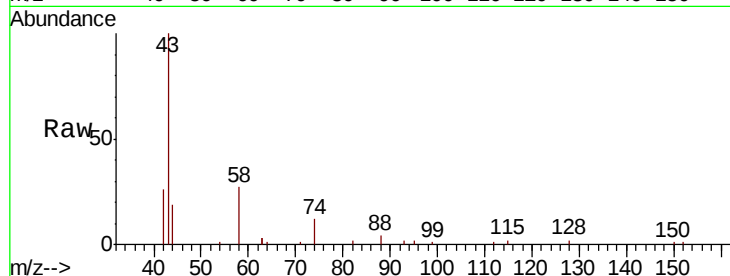


#3

n-Nitrosodimethylamine
 Concen: 0.514 ng
 RT: 3.64 min Scan# 67
 Delta R.T. -0.02 min
 Lab File: BE100791.D
 Acq: 5 Dec 2019 16:24

Instrument :
 BNA_E
 ClientSampleId :

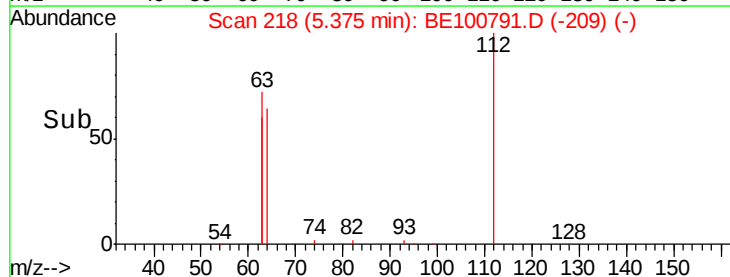
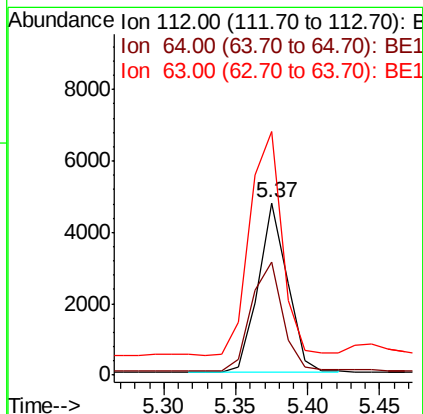
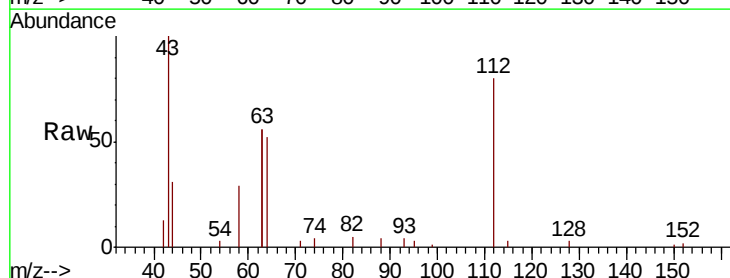
Tot Ion: 42 Resp: 4161
 Ion Ratio Lower Upper
 42 100
 74 120.7 86.3 129.5
 44 0.0 11.6 17.4#

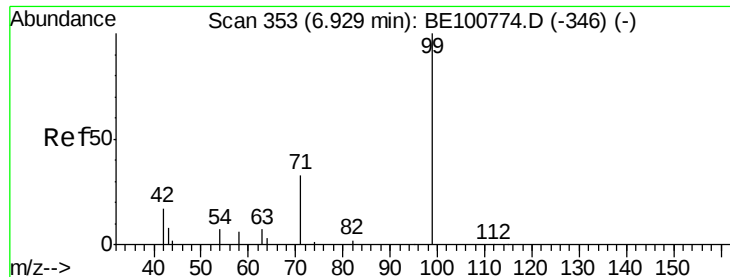


#4

2-Fluorophenol
 Concen: 0.524 ng
 RT: 5.37 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: BE100791.D
 Acq: 5 Dec 2019 16:24

Tgt Ion: 112 Resp: 6784
 Ion Ratio Lower Upper
 112 100
 64 67.7 54.1 81.1
 63 143.8 113.2 169.8





#5

Phenol-d6

Concen: 0.564 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

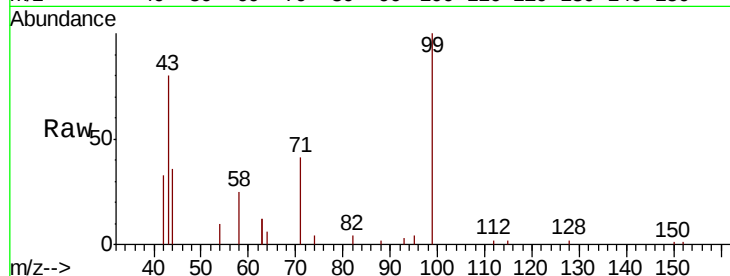
Tot Ion: 99 Resp: 11039

Ion Ratio Lower Upper

99 100

42 36.1 19.1 28.7#

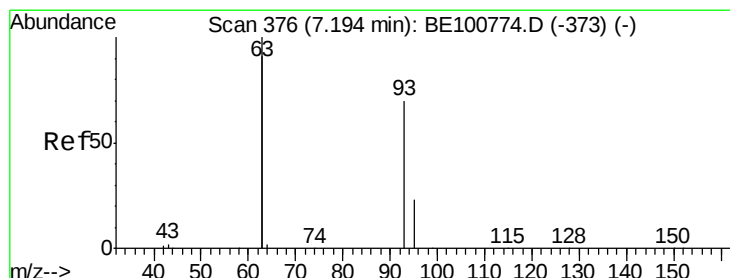
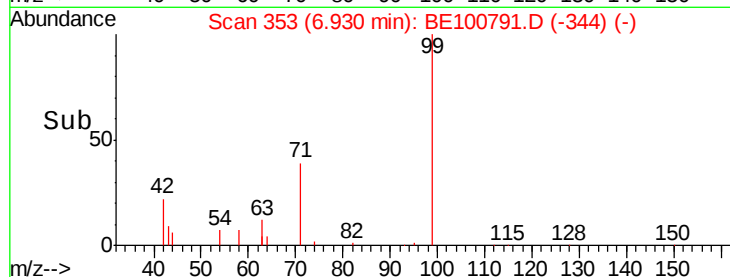
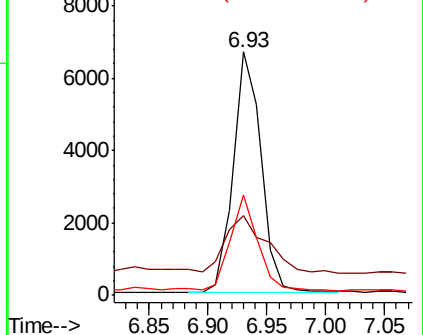
71 38.5 27.7 41.5



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: 0.453 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

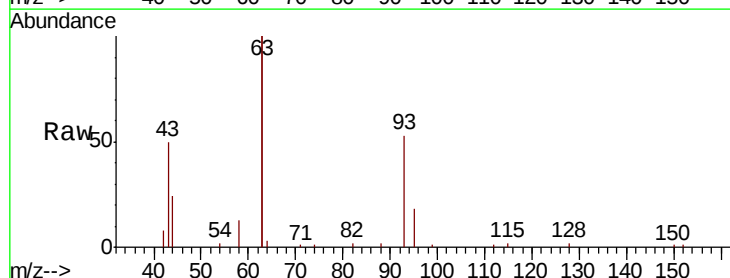
Tgt Ion: 93 Resp: 8559

Ion Ratio Lower Upper

93 100

63 328.4 259.4 389.0

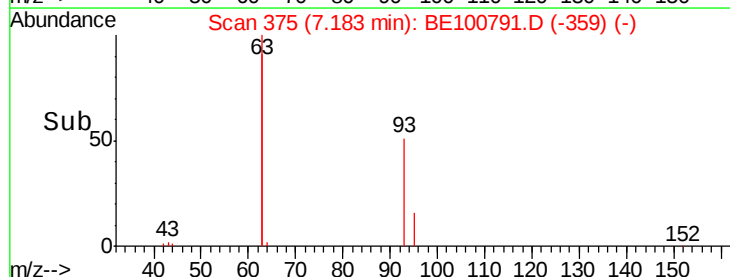
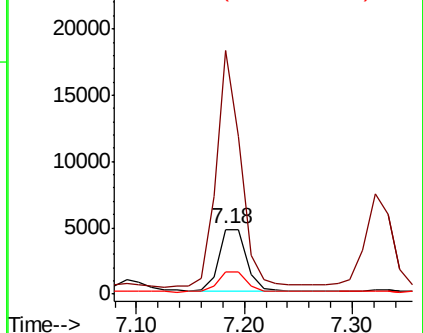
95 32.5 26.2 39.2

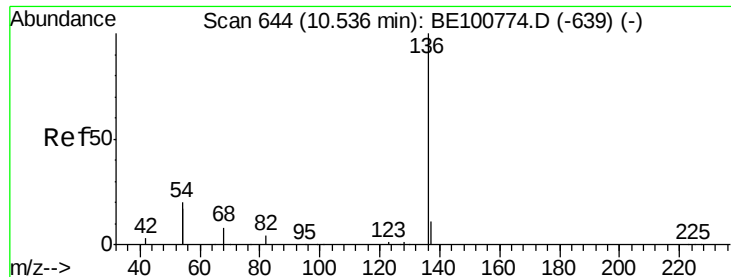


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 24092

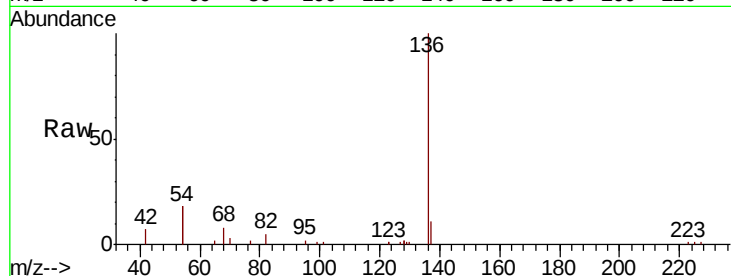
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 37.0 31.1 46.7

68 8.1 6.6 10.0

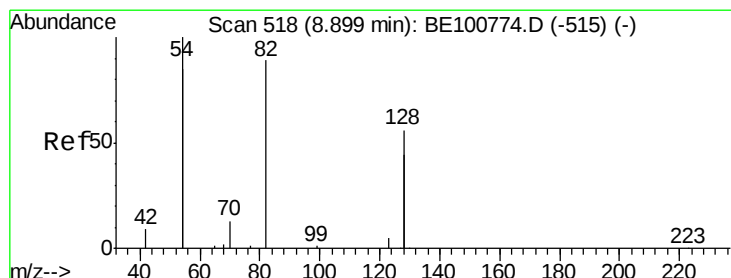
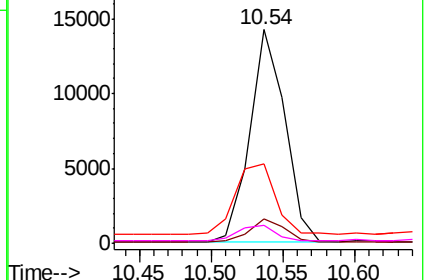
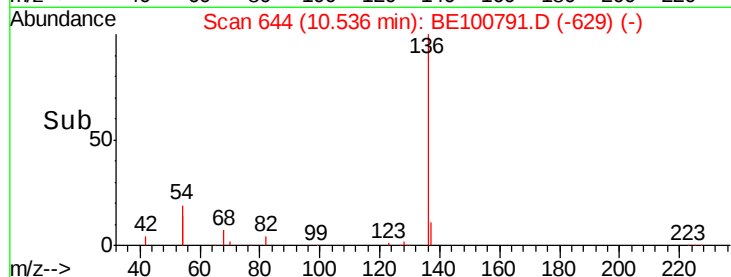


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.622 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

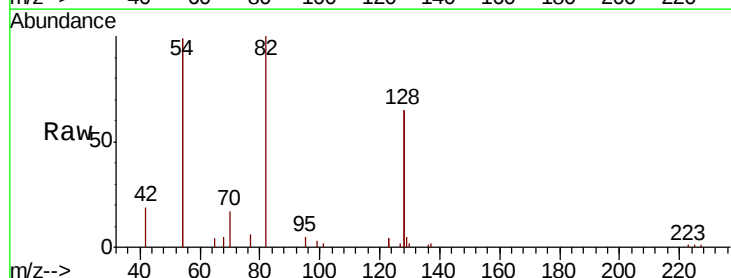
Tgt Ion: 82 Resp: 7138

Ion Ratio Lower Upper

82 100

128 129.4 97.0 145.4

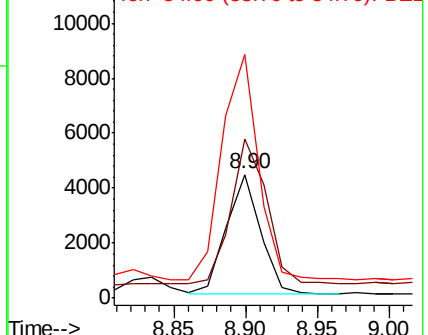
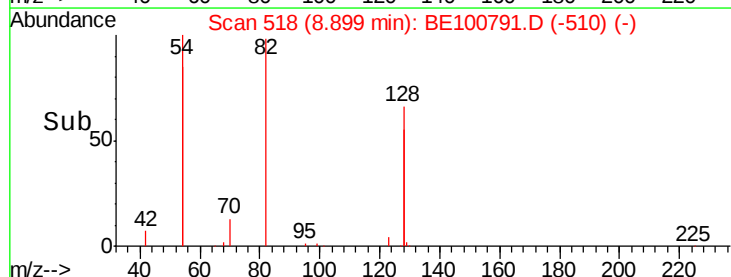
54 197.2 171.8 257.6

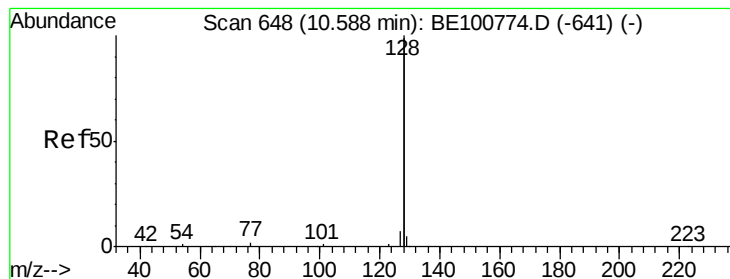


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.779 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

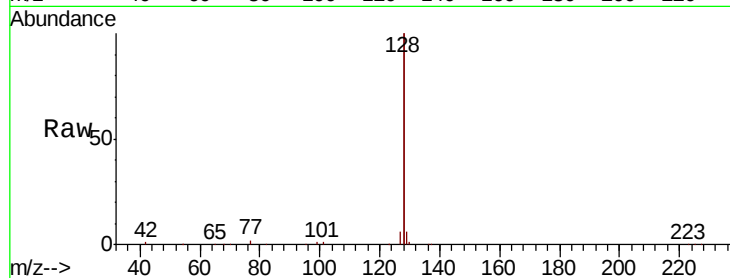
Tot Ion:128 Resp: 199483

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

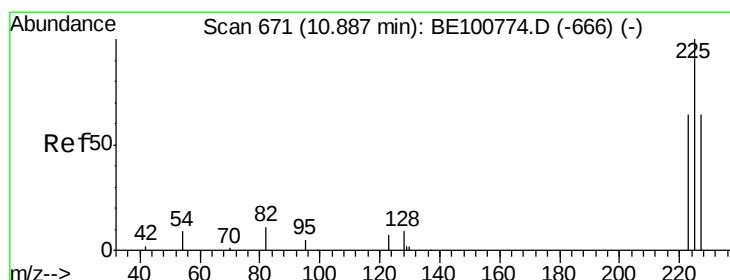
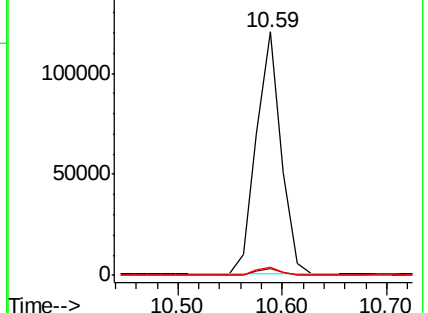
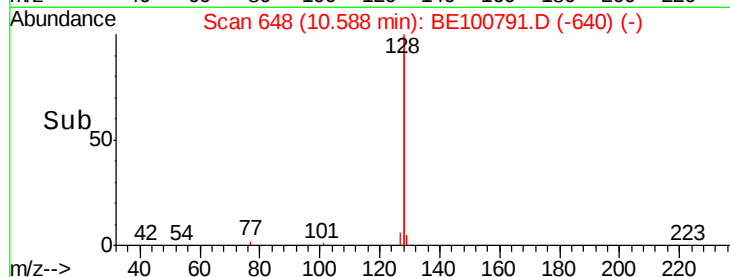
127 3.2 2.7 4.1



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: 0.382 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

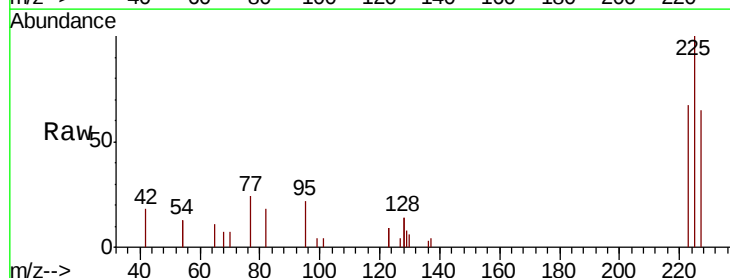
Tgt Ion:225 Resp: 3811

Ion Ratio Lower Upper

225 100

223 63.7 49.9 74.9

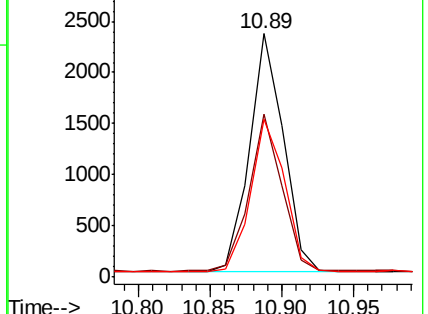
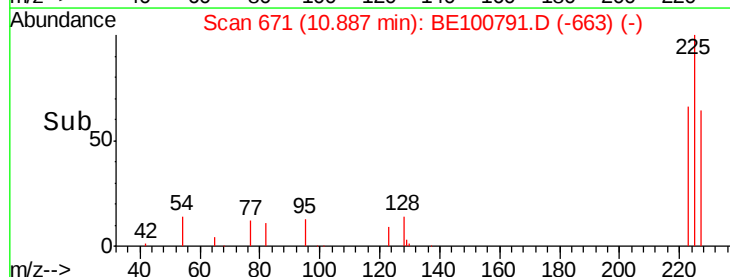
227 64.9 52.2 78.4

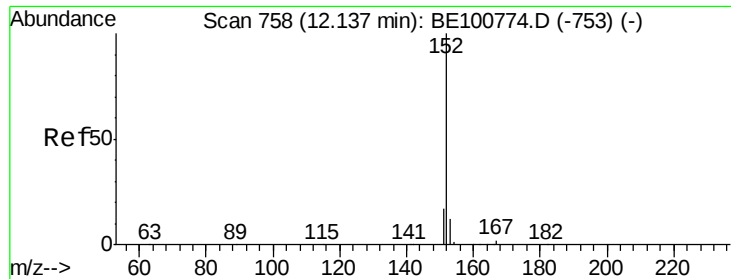


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

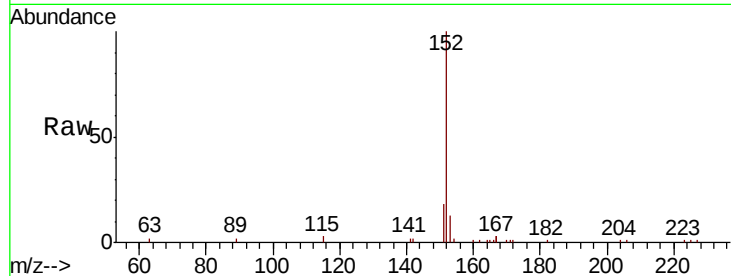




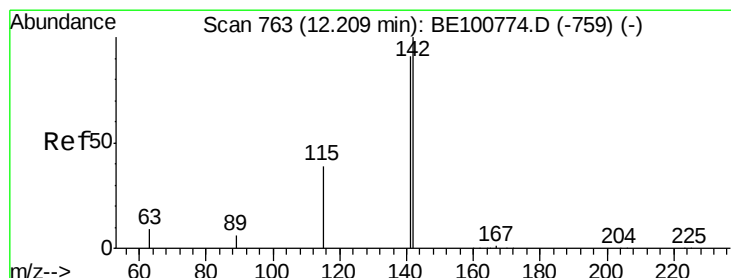
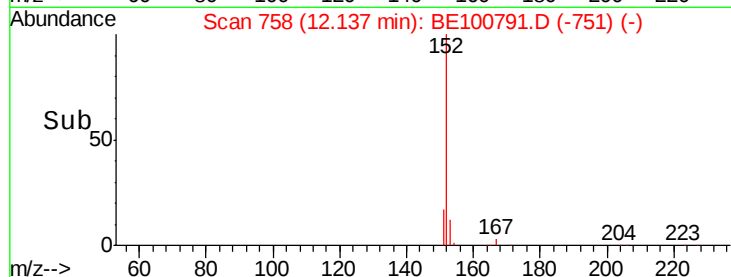
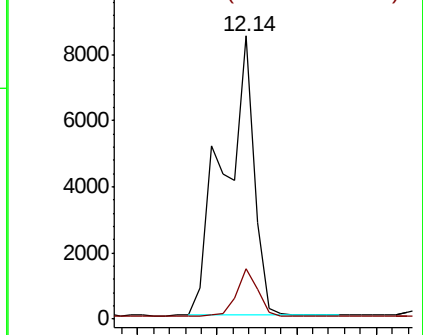
#11
 2-Methylnaphthalene-d10
 Concen: 0.641 ng
 RT: 12.14 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: BE100791.D
 Acq: 5 Dec 2019 16:24

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:152 Resp: 22380
 Ion Ratio Lower Upper
 152 100
 151 11.7 15.8 23.8#

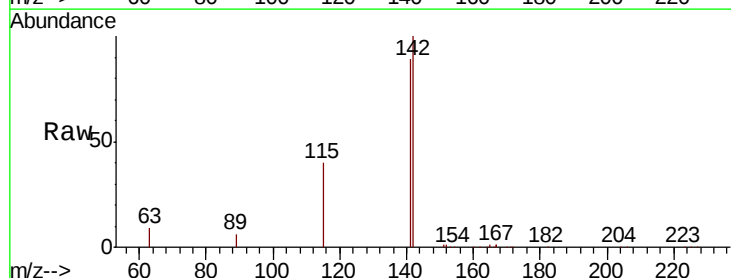


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E

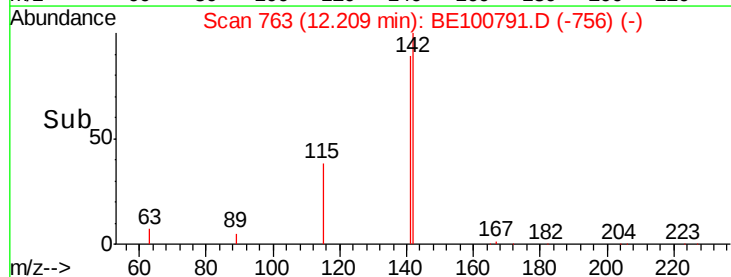
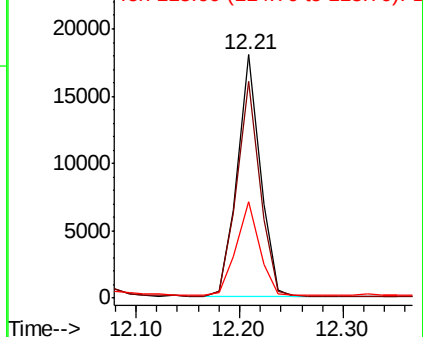


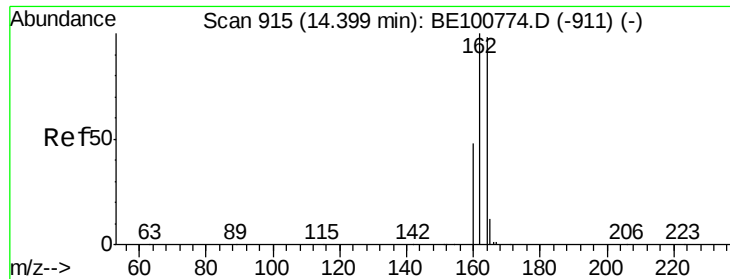
#12
 2-Methylnaphthalene
 Concen: 0.696 ng
 RT: 12.21 min Scan# 763
 Delta R.T. -0.00 min
 Lab File: BE100791.D
 Acq: 5 Dec 2019 16:24

Tgt Ion:142 Resp: 27826
 Ion Ratio Lower Upper
 142 100
 141 89.1 72.6 108.8
 115 39.6 31.8 47.6



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

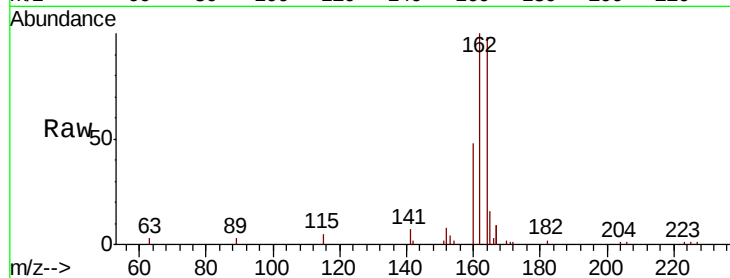




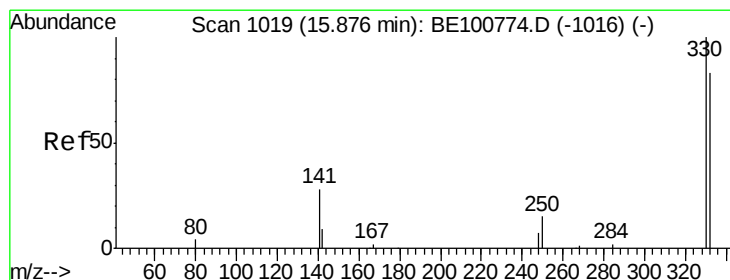
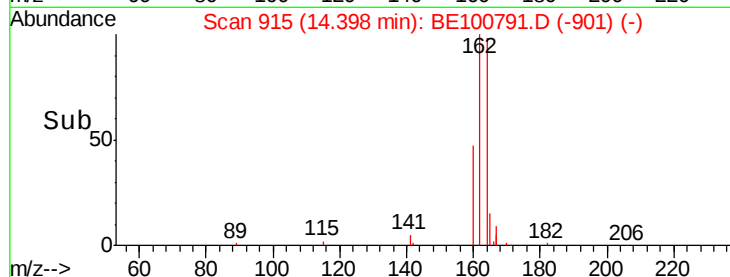
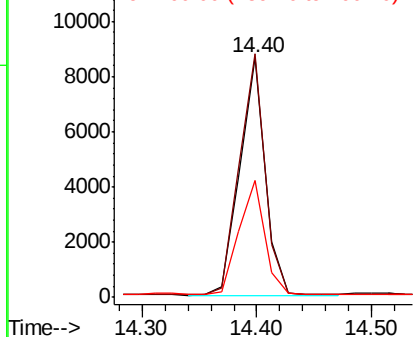
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 13211
Ion Ratio Lower Upper
164 100
162 101.7 81.4 122.0
160 48.6 39.4 59.0

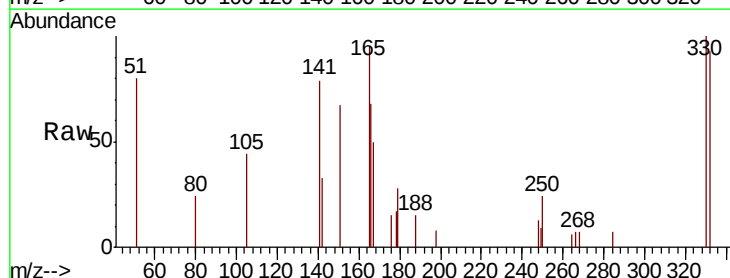


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

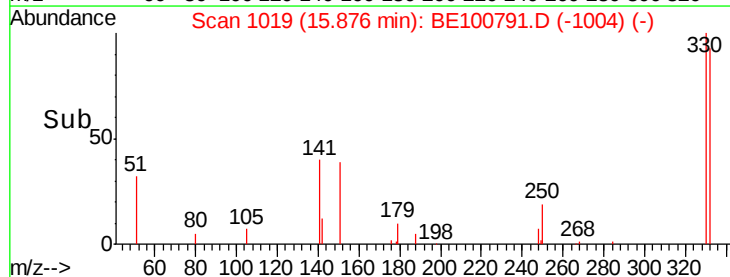
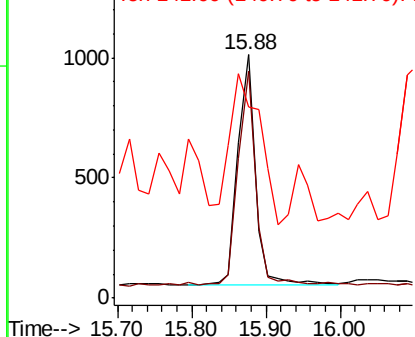


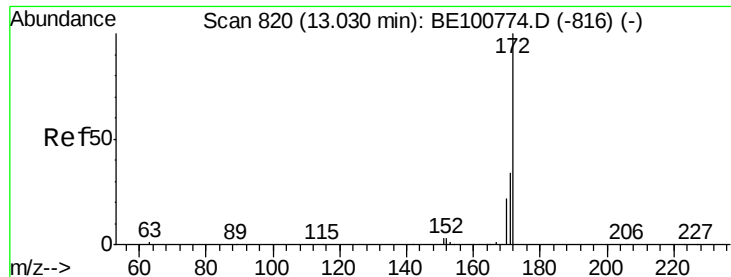
#14
2,4,6-Tribromophenol
Concen: 1.049 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:330 Resp: 1542
Ion Ratio Lower Upper
330 100
332 92.6 69.4 104.2
141 116.4 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

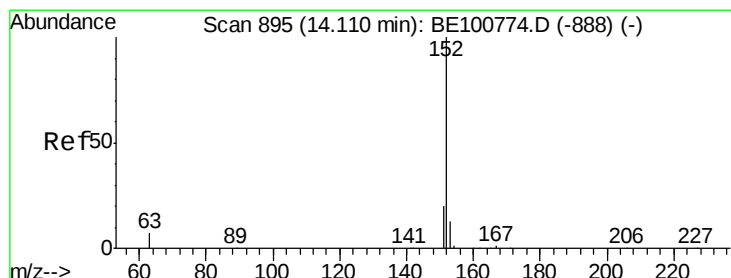
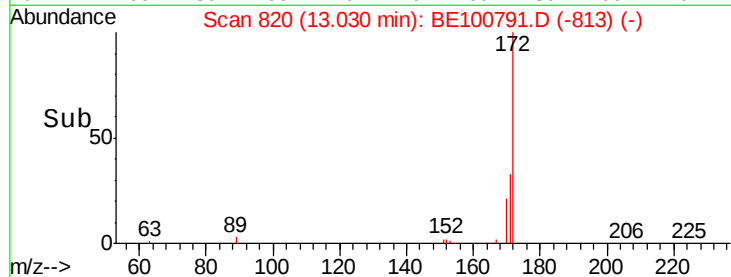
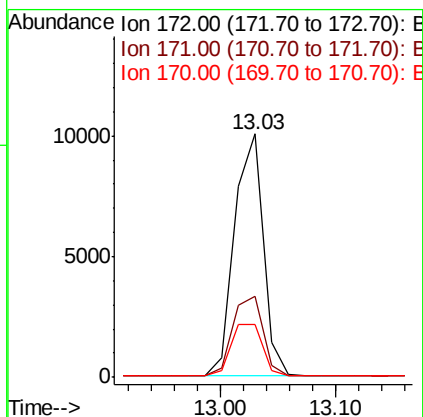
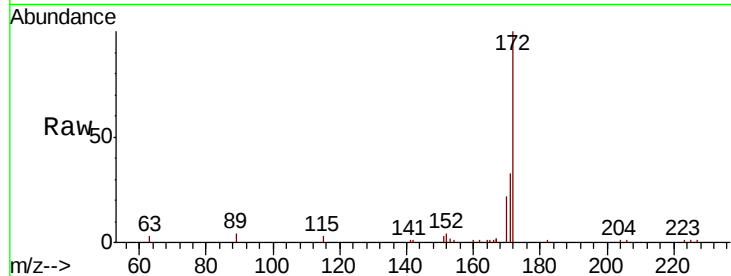




#15
2-Fluorobiphenyl
Concen: 0.331 ng
RT: 13.03 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

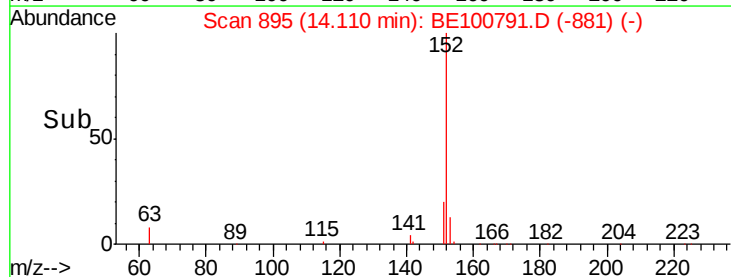
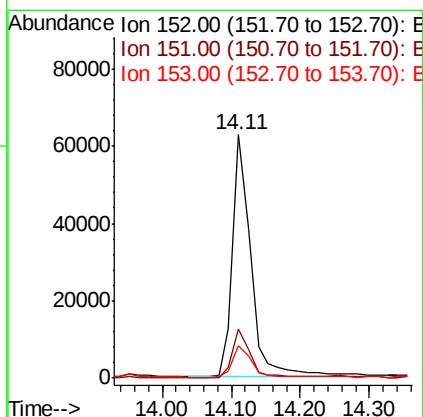
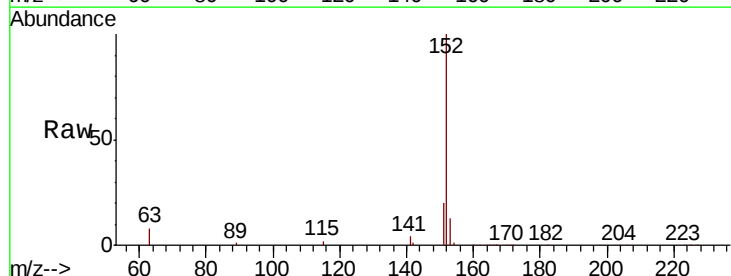
Instrument :
BNA_E
ClientSampled :

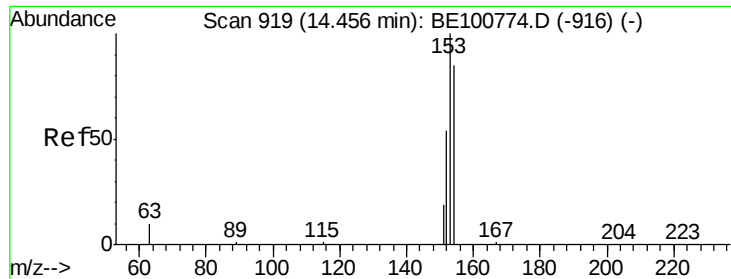
Tot Ion:172 Resp: 17368
Ion Ratio Lower Upper
172 100
171 33.3 27.2 40.8
170 21.5 18.0 27.0



#16
Acenaphthylene
Concen: 2.097 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:152 Resp: 114576
Ion Ratio Lower Upper
152 100
151 19.8 15.8 23.6
153 13.4 10.4 15.6

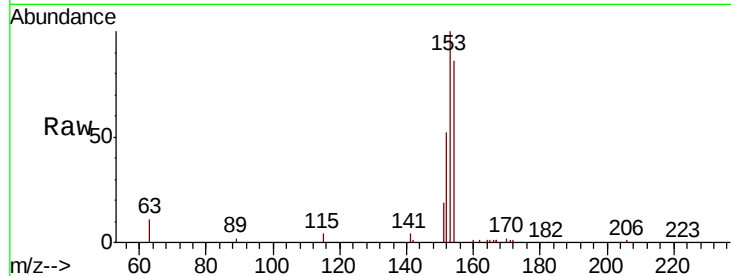




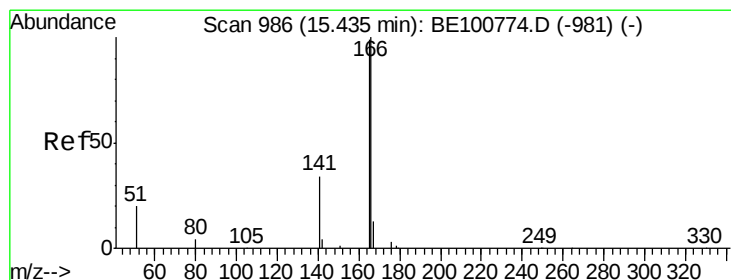
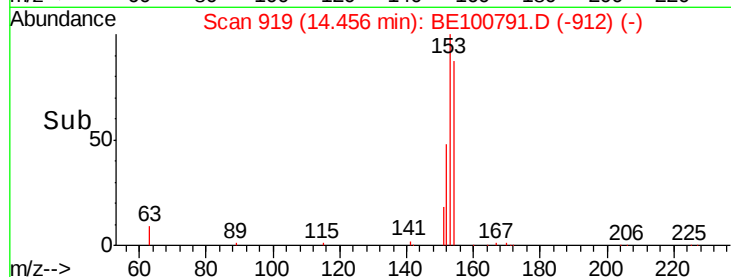
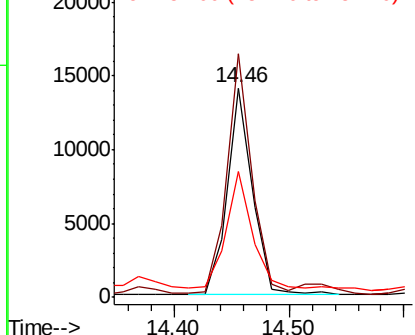
#17
Acenaphthene
Concen: 0.559 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 21058
Ion Ratio Lower Upper
154 100
153 115.1 92.2 138.2
152 58.2 49.1 73.7

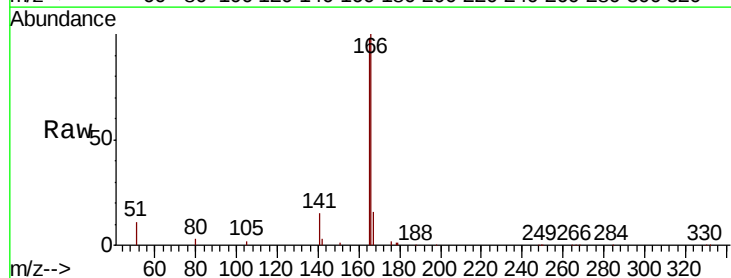


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

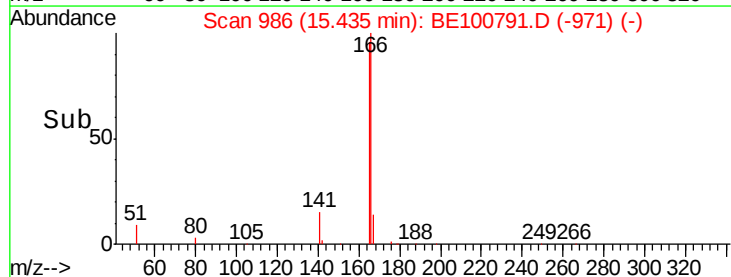
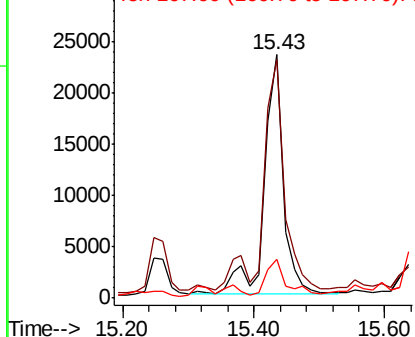


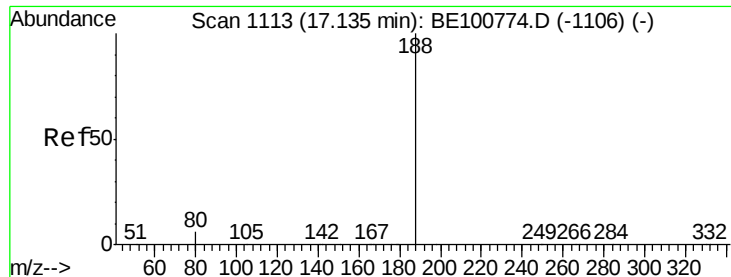
#18
Fluorene
Concen: 0.960 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:166 Resp: 46649
Ion Ratio Lower Upper
166 100
165 92.9 80.5 120.7
167 15.1 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: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

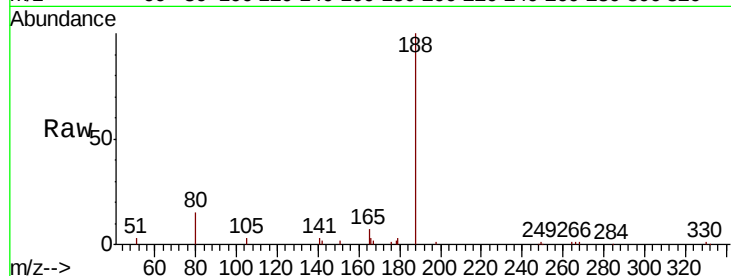
Tot Ion:188 Resp: 27183

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

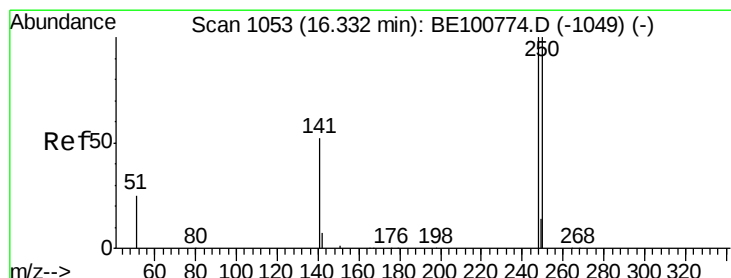
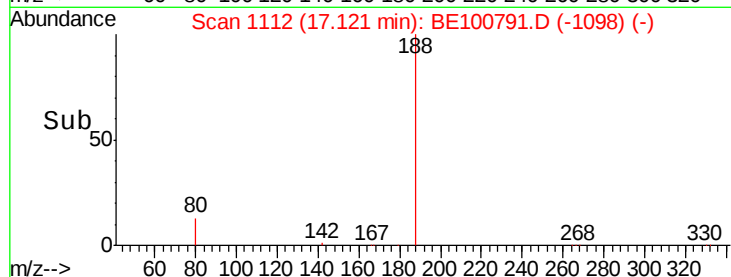
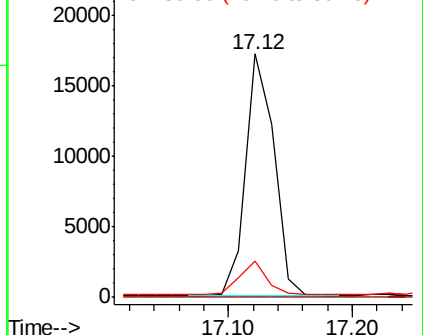
80 14.8 5.2 7.8#



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: 0.425 ng

RT: 16.33 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

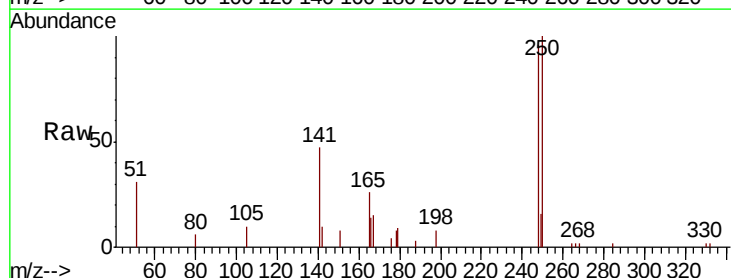
Tgt Ion:248 Resp: 5669

Ion Ratio Lower Upper

248 100

250 104.1 80.5 120.7

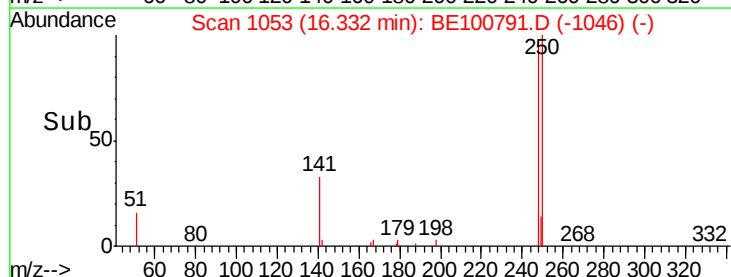
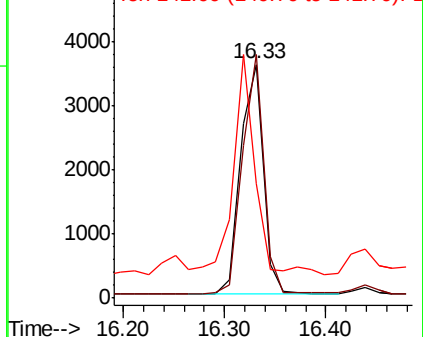
141 48.6 42.6 64.0

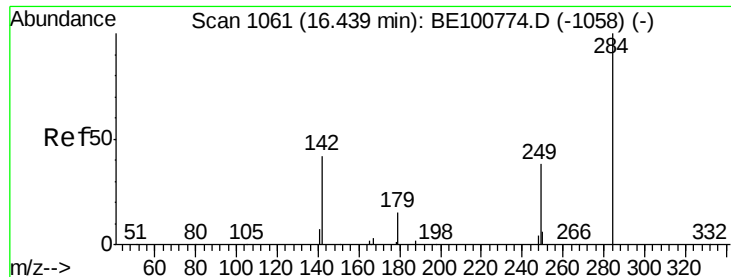


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

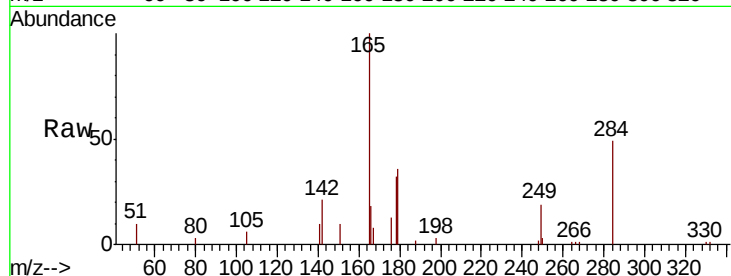




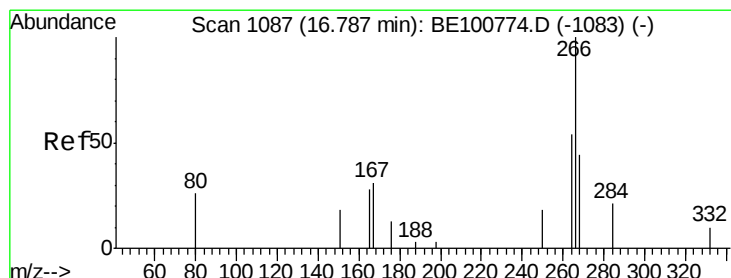
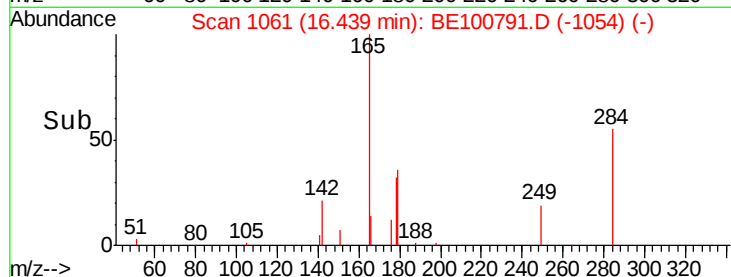
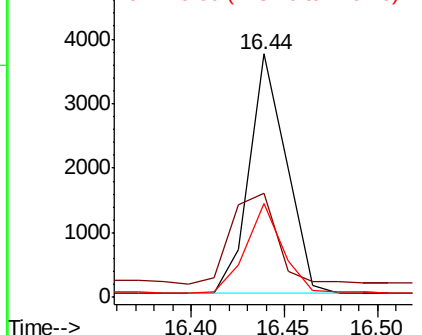
#21
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Instrument :
BNA_E
ClientSampled :

Tot Ion:284 Resp: 5212
Ion Ratio Lower Upper
284 100
142 46.3 34.4 51.6
249 36.4 28.5 42.7

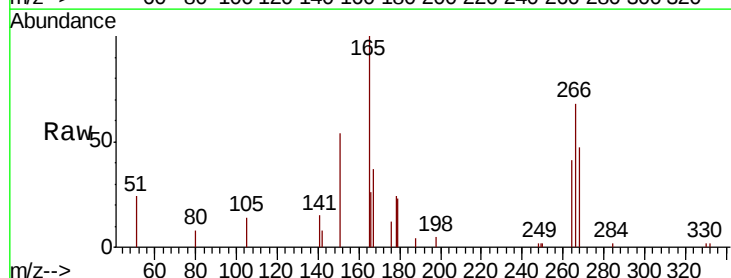


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

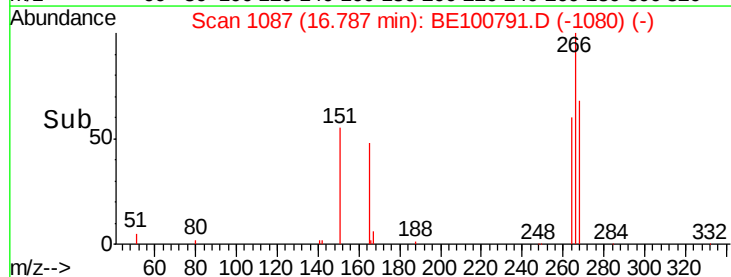
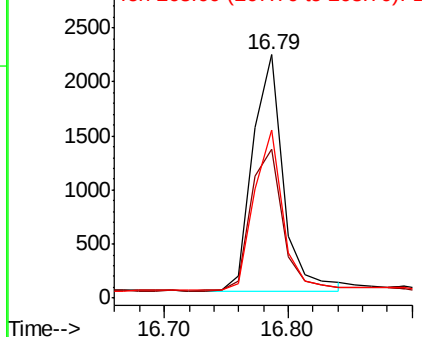


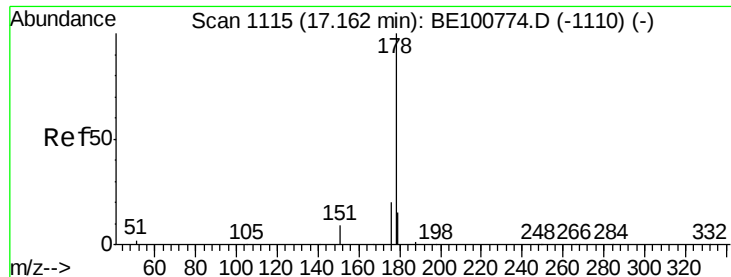
#22
Pentachlorophenol
Concen: 3.749 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:266 Resp: 3757
Ion Ratio Lower Upper
266 100
264 61.1 63.4 95.0#
268 68.9 65.8 98.8



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: 6.462 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

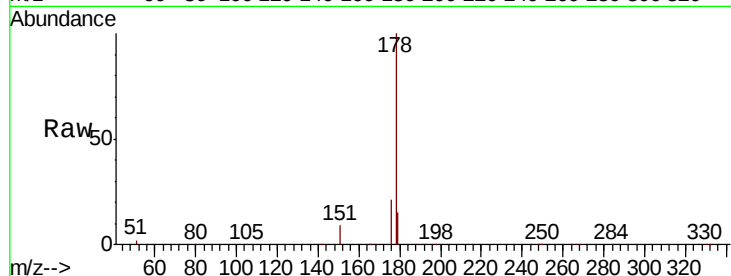
Tot Ion:178 Resp: 532054

Ion Ratio Lower Upper

178 100

176 19.7 15.5 23.3

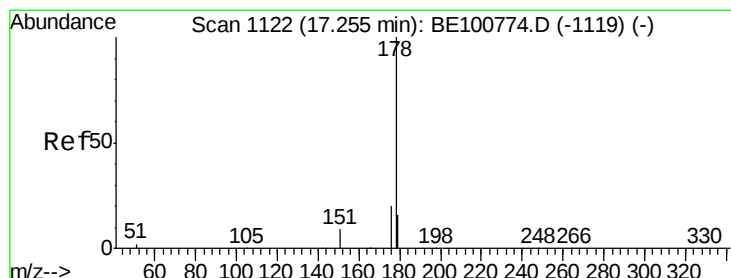
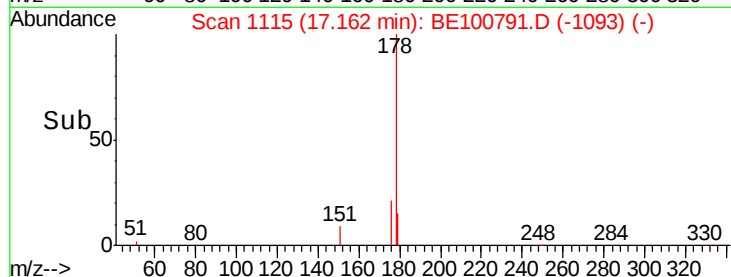
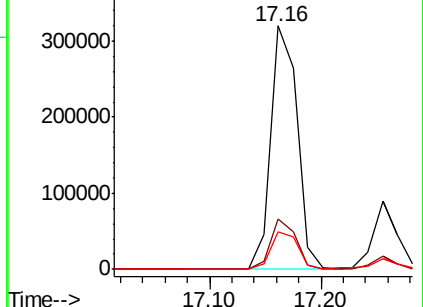
179 15.5 12.3 18.5



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: 1.944 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

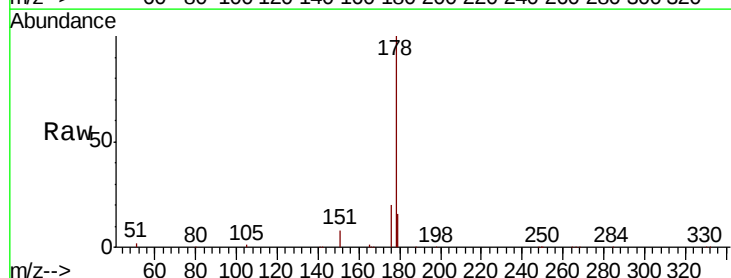
Tgt Ion:178 Resp: 133846

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

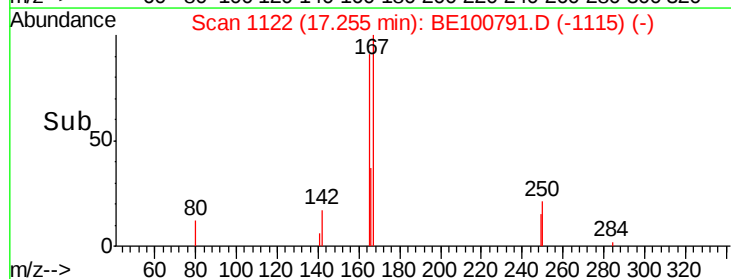
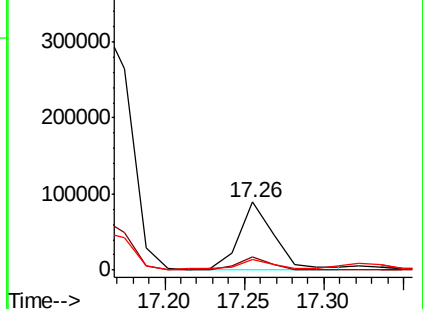
179 13.7 12.7 19.1

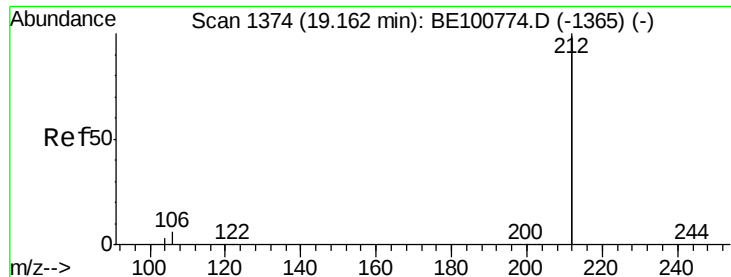


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.368 ng

RT: 19.16 min Scan# 1374

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

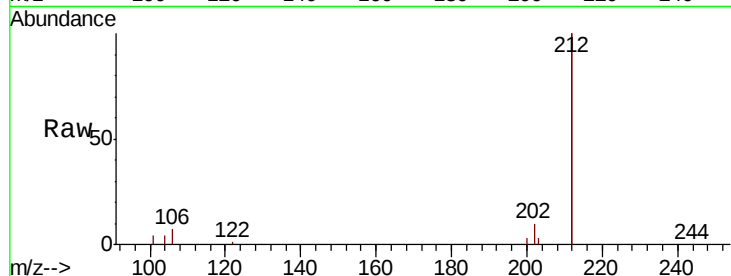
Tot Ion:212 Resp: 118152

Ion Ratio Lower Upper

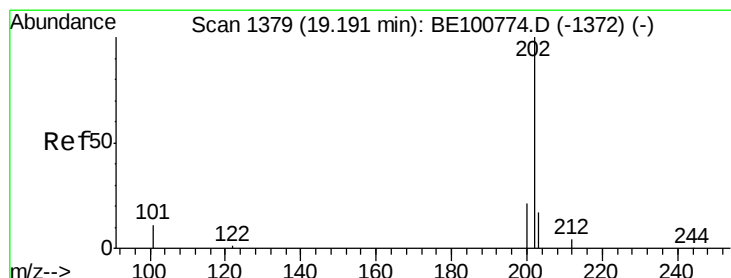
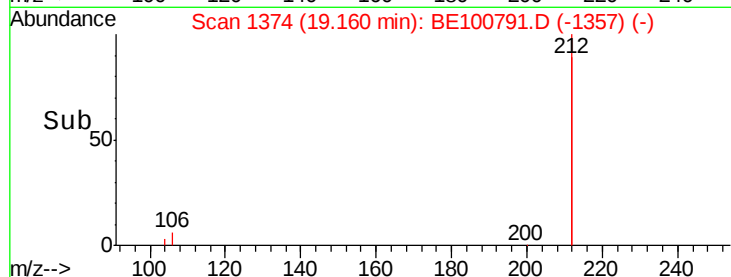
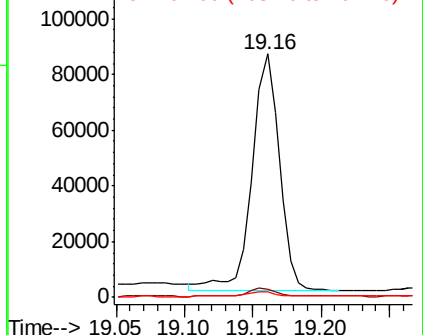
212 100

106 3.3 2.6 3.8

104 2.5 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: 12.123 ng

RT: 19.19 min Scan# 1379

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

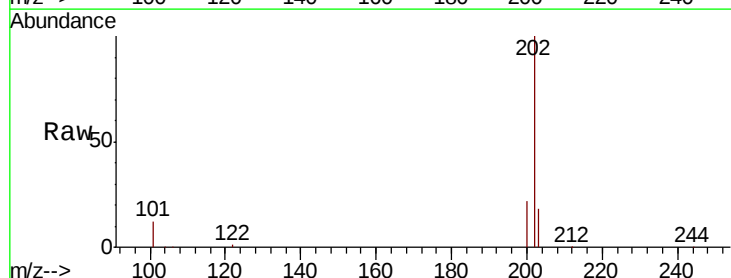
Tgt Ion:202 Resp: 1191261

Ion Ratio Lower Upper

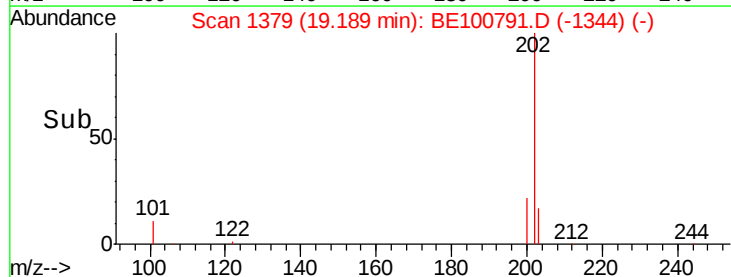
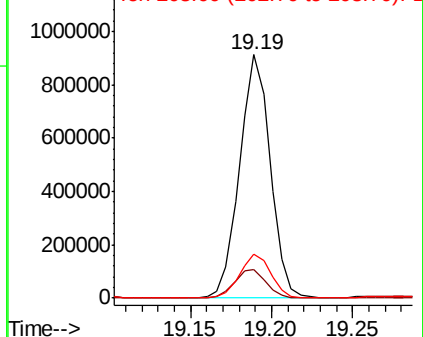
202 100

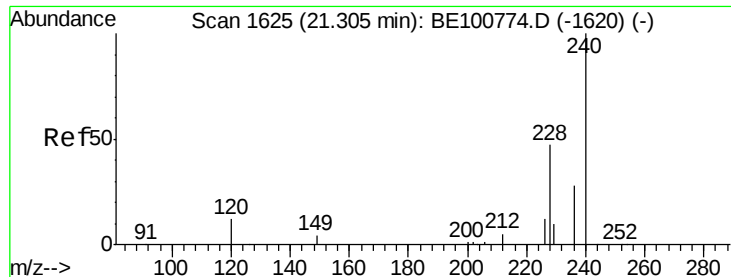
101 12.0 9.1 13.7

203 18.0 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

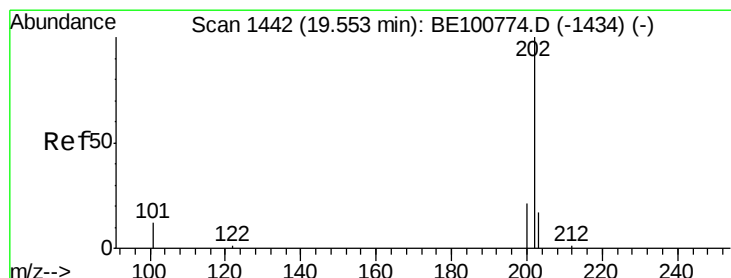
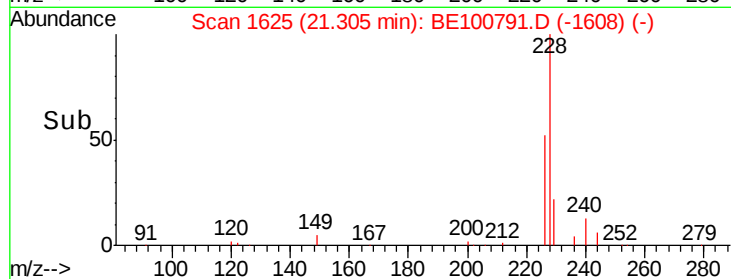
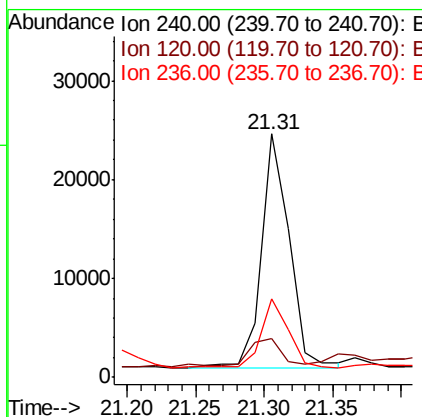
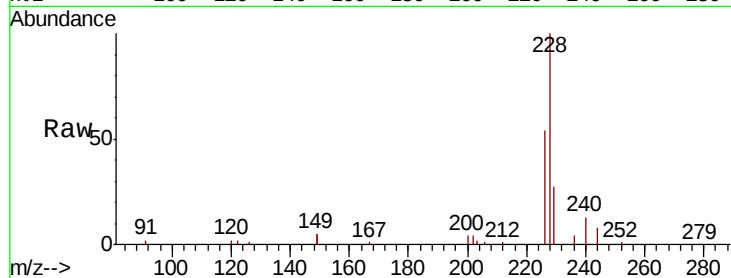




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

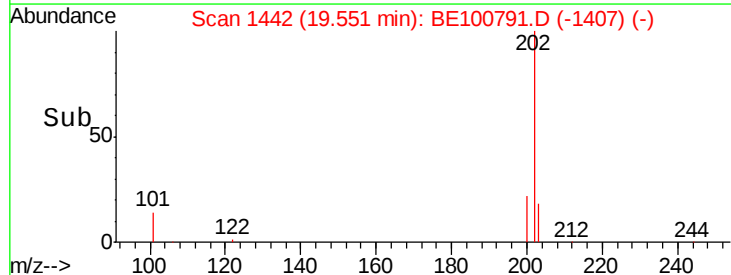
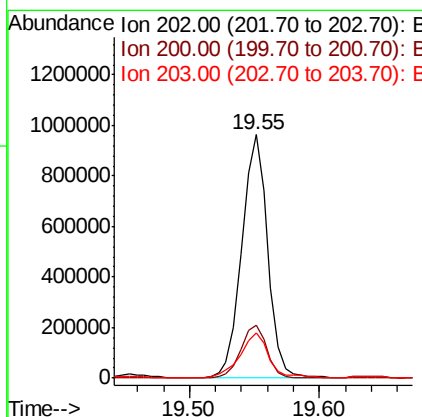
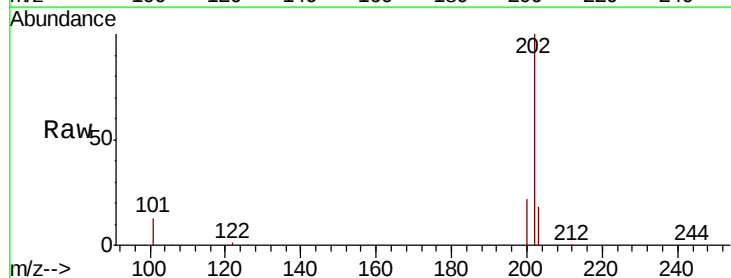
Instrument :
BNA_E
ClientSampleId :

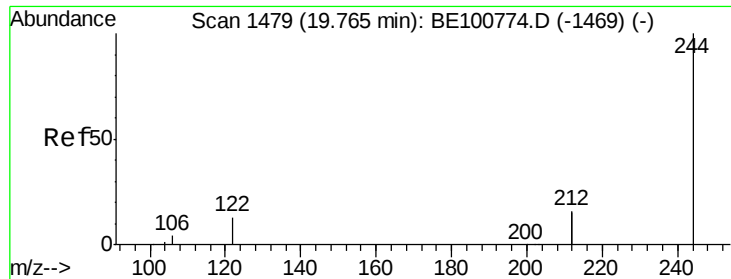
Tot Ion:240 Resp: 33275
Ion Ratio Lower Upper
240 100
120 15.7 10.2 15.2#
236 32.3 22.3 33.5



#28
Pyrene
Concen: 12.208 ng
RT: 19.55 min Scan# 1442
Delta R.T. -0.00 min
Lab File: BE100791.D
Acq: 5 Dec 2019 16:24

Tgt Ion:202 Resp: 1319940
Ion Ratio Lower Upper
202 100
200 21.9 17.0 25.4
203 20.8 13.9 20.9





#29

Terphenyl-d14

Concen: 0.303 ng

RT: 19.76 min Scan# 1479

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampled :

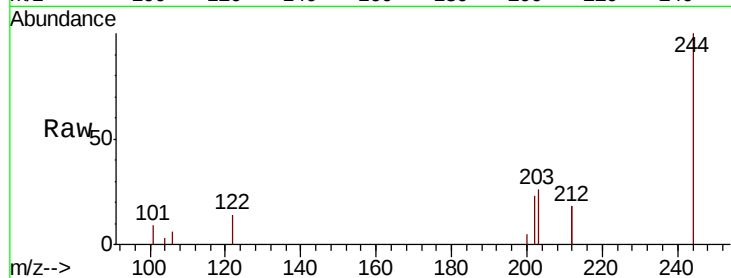
Tot Ion:244 Resp: 24174

Ion Ratio Lower Upper

244 100

212 36.7 26.2 39.4

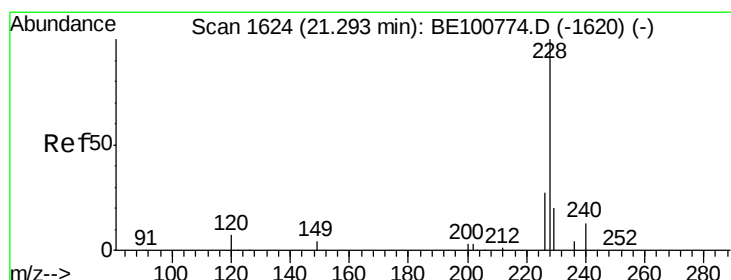
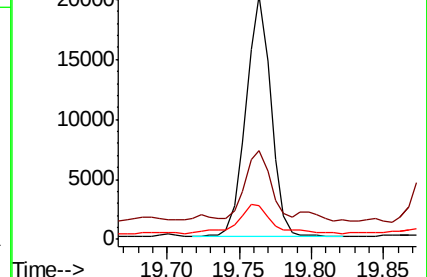
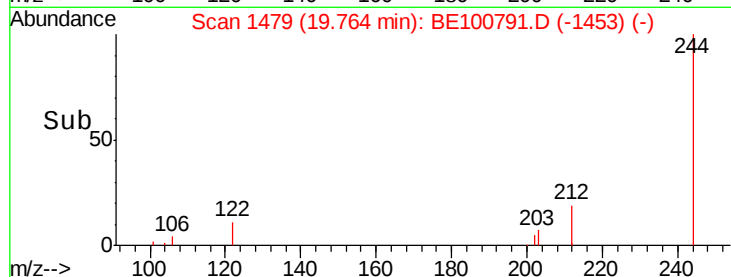
122 14.0 10.2 15.4



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: 8.179 ng

RT: 21.34 min Scan# 1628

Delta R.T. 0.05 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

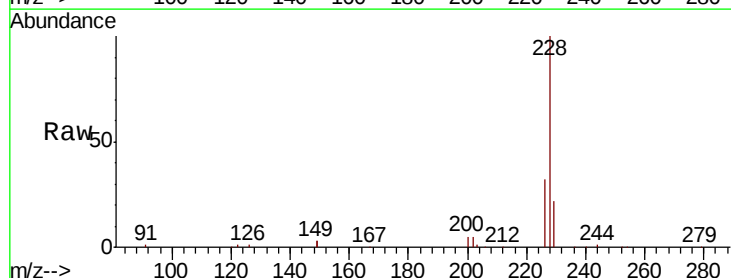
Tgt Ion:228 Resp: 802156

Ion Ratio Lower Upper

228 100

226 32.0 21.5 32.3

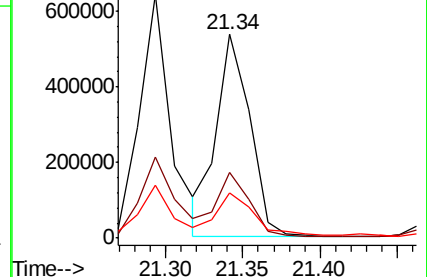
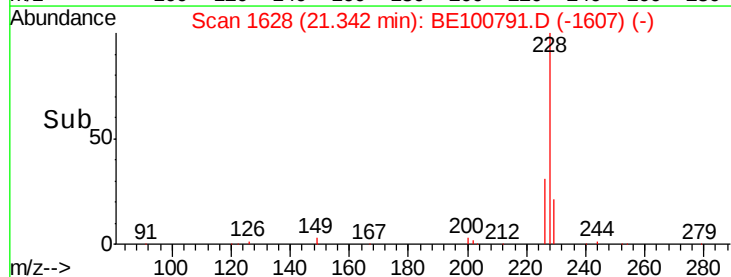
229 22.2 16.0 24.0

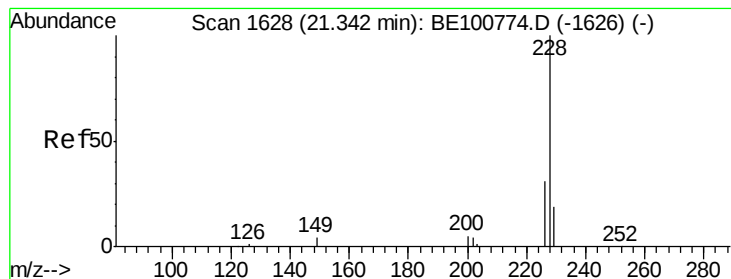


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 6.924 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

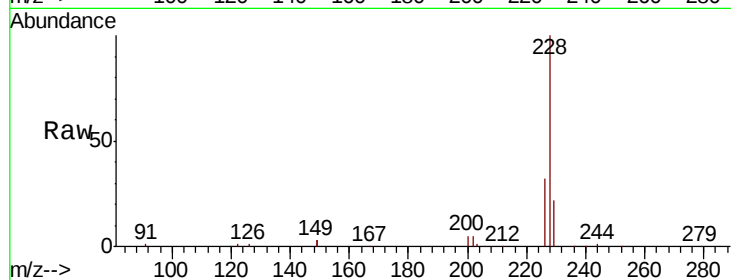
Tot Ion:228 Resp: 797938

Ion Ratio Lower Upper

228 100

226 32.0 25.0 37.4

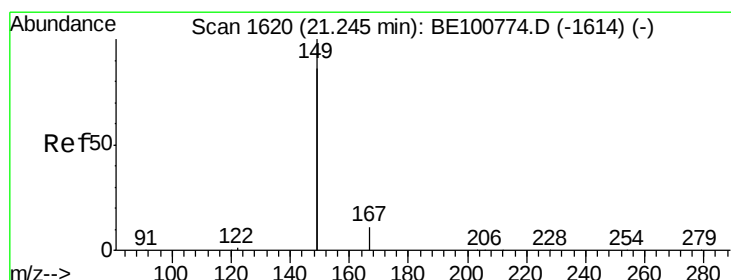
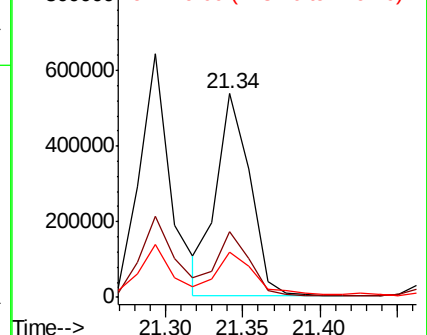
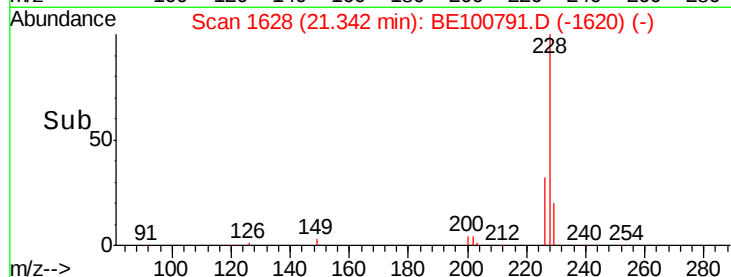
229 22.2 15.4 23.2



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: 1.821 ng

RT: 21.24 min Scan# 1620

Delta R.T. 0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

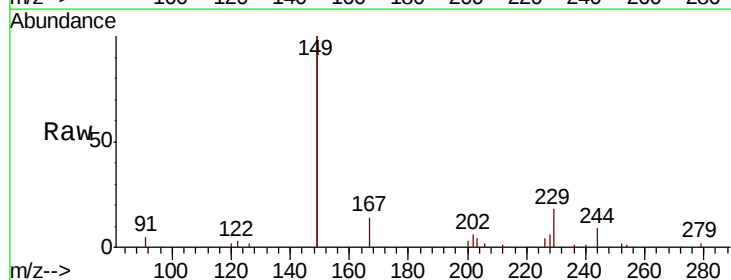
Tgt Ion:149 Resp: 167102

Ion Ratio Lower Upper

149 100

167 6.1 5.0 7.6

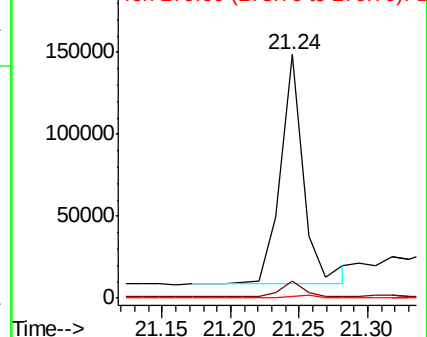
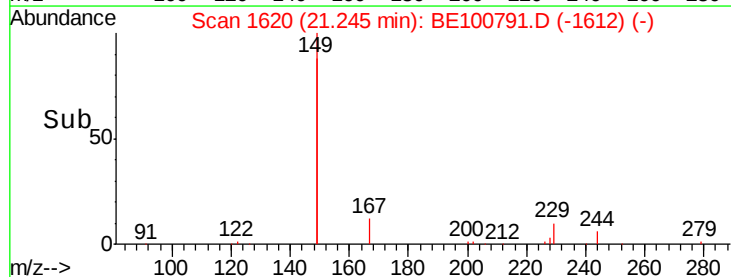
279 0.8 0.7 1.1

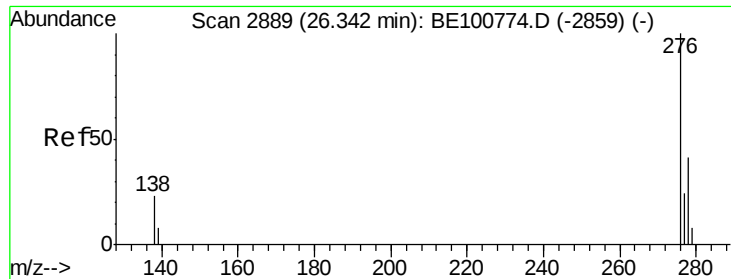


Abundance Ion 149.00 (148.70 to 149.70): E

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: 5.015 ng

RT: 26.33 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

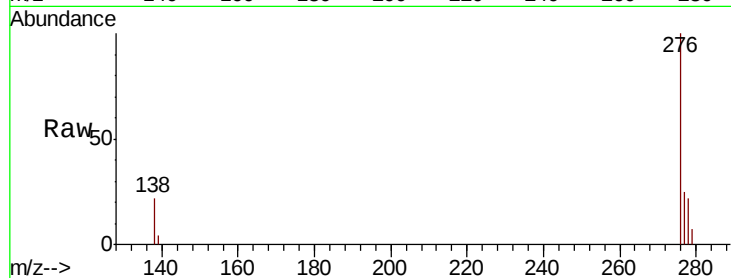
Tot Ion:276 Resp: 503514

Ion Ratio Lower Upper

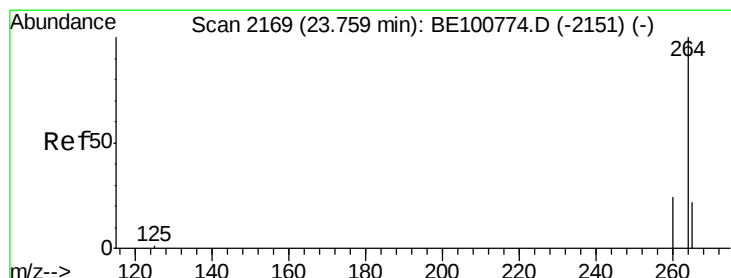
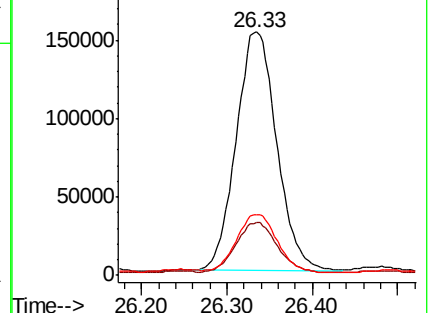
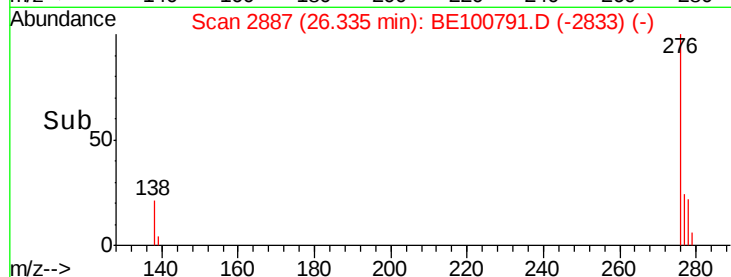
276 100

138 21.4 19.4 29.0

277 24.8 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: 23.76 min Scan# 2168

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

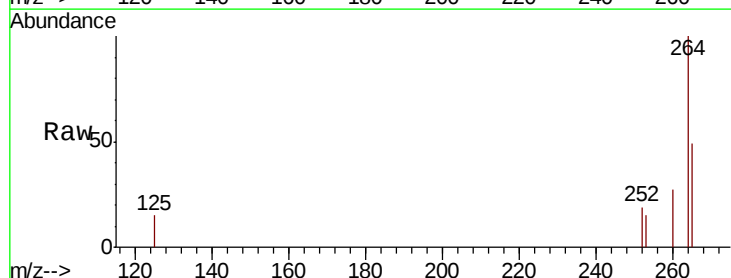
Tgt Ion:264 Resp: 42454

Ion Ratio Lower Upper

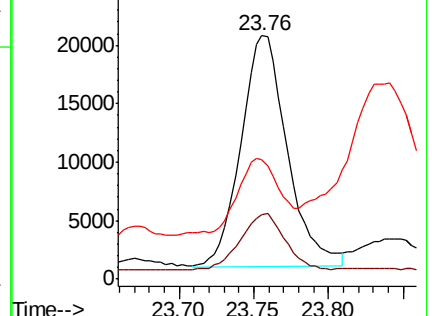
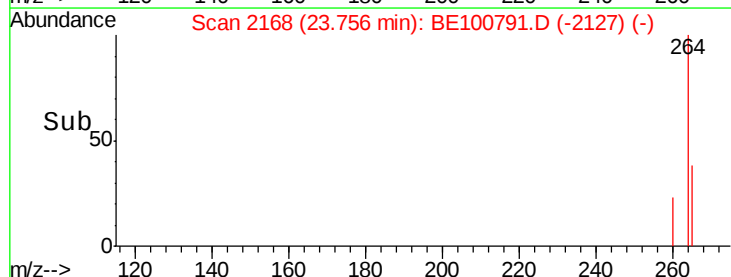
264 100

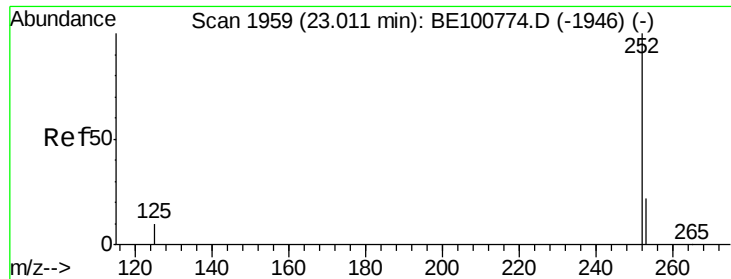
260 26.7 19.4 29.2

265 48.9 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: 8.248 ng

RT: 23.01 min Scan# 1959

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

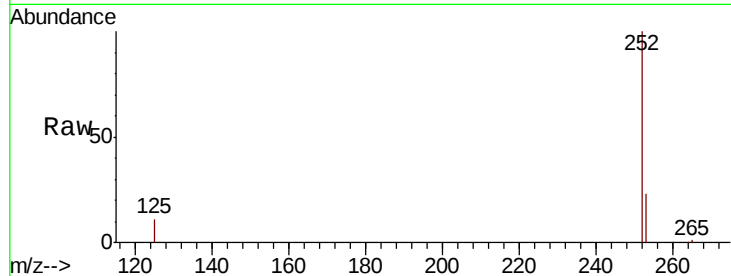
Tot Ion:252 Resp: 958682

Ion Ratio Lower Upper

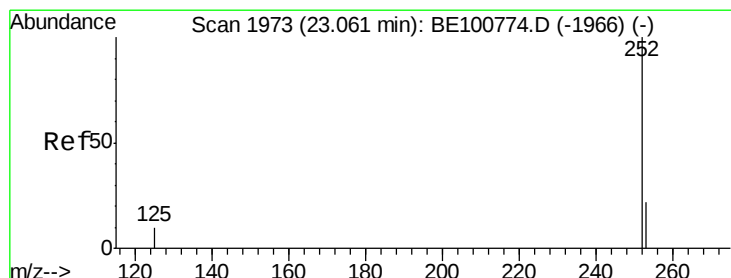
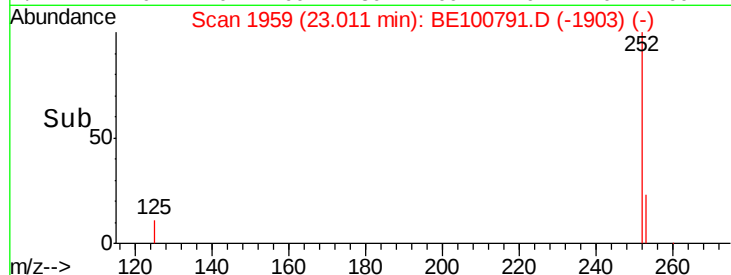
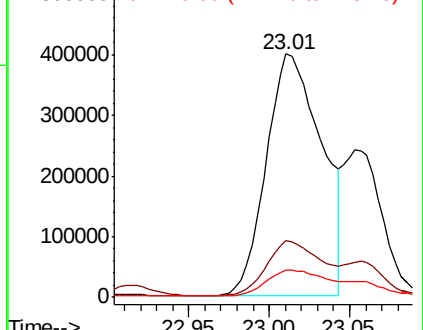
252 100

253 23.2 17.8 26.8

125 11.1 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: 7.355 ng

RT: 23.01 min Scan# 1959

Delta R.T. -0.05 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

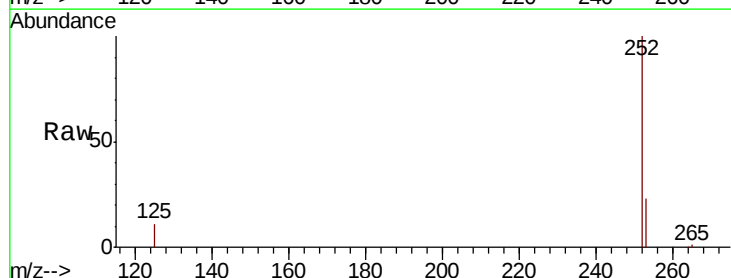
Tgt Ion:252 Resp: 958682

Ion Ratio Lower Upper

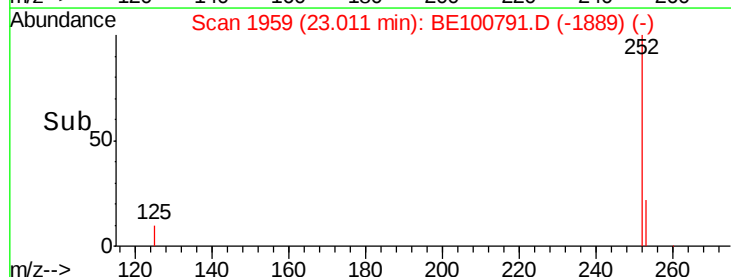
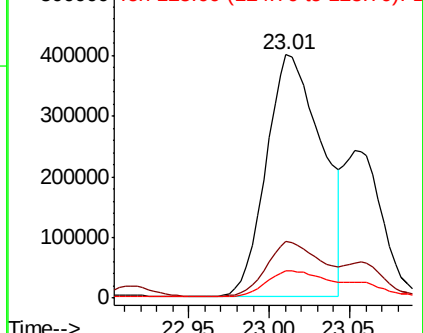
252 100

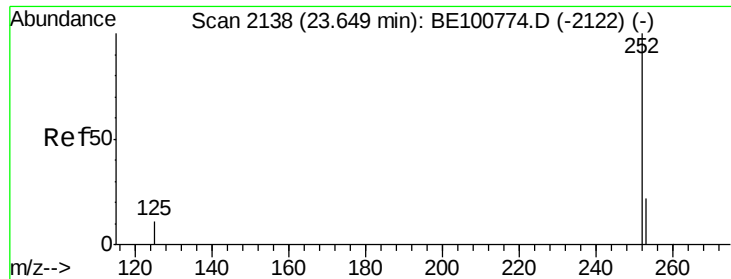
253 23.2 17.8 26.8

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: 7.855 ng

RT: 23.65 min Scan# 2137

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

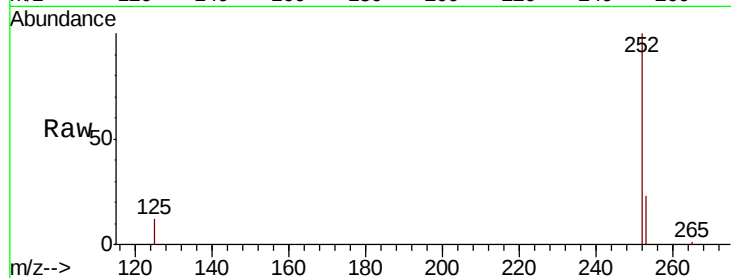
Tot Ion:252 Resp: 790453

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.4

125 11.6 10.4 15.6

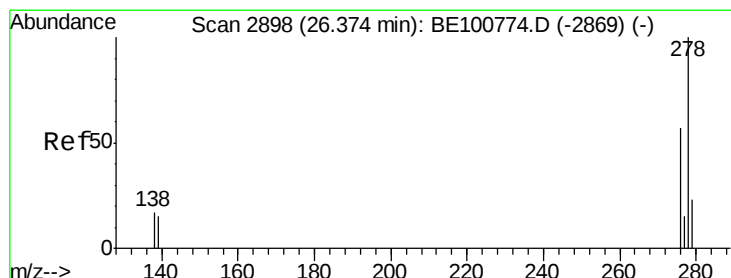
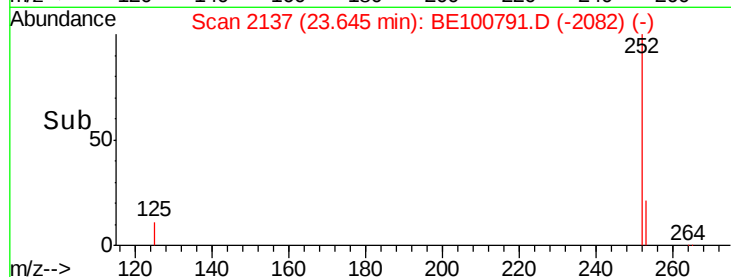
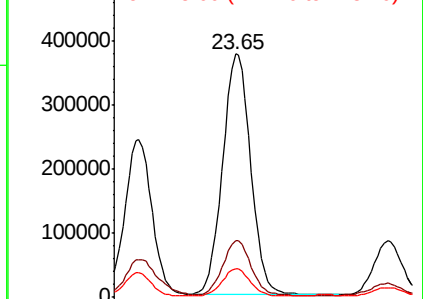


Abundance

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: 1.664 ng

RT: 26.36 min Scan# 2893

Delta R.T. -0.02 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

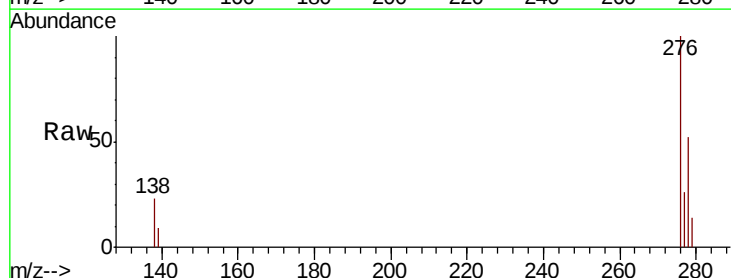
Tgt Ion:278 Resp: 166584

Ion Ratio Lower Upper

278 100

139 17.7 13.0 19.4

279 27.4 19.6 29.4

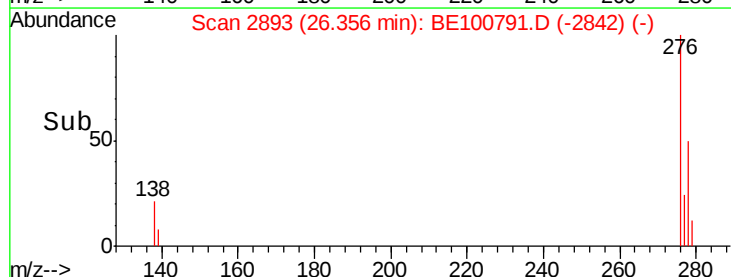
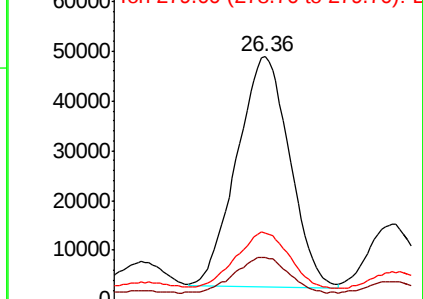


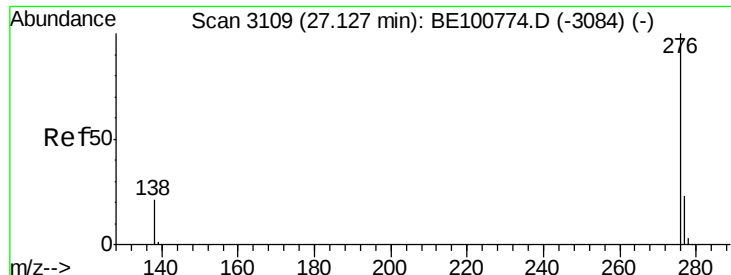
Abundance

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: 4.648 ng

RT: 27.12 min Scan# 3108

Delta R.T. -0.00 min

Lab File: BE100791.D

Acq: 5 Dec 2019 16:24

Instrument :

BNA_E

ClientSampleId :

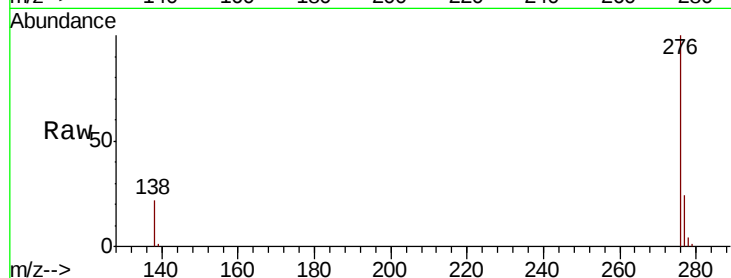
Tot Ion:276 Resp: 497539

Ion Ratio Lower Upper

276 100

277 24.4 19.3 28.9

138 21.6 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

