

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121119\
 Data File : BE100845.D
 Acq On : 11 Dec 2019 13:44
 Operator : JU
 Sample : K6185-08MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE131D2-20191205MS

Quant Time: Dec 11 14:23:53 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	4947	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	21665	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	11951	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	30621	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	29368	0.40	ng	0.00
34) Perylene-d12	23.74	264	32829	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.37	112	2487	0.21	ng	0.00
5) Phenol-d6	6.93	99	2432	0.14	ng	0.00
8) Nitrobenzene-d5	8.90	82	5687	0.55	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	20105	0.64	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1012	0.76	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	19216	0.41	ng	-0.01
25) Fluoranthene-d10	19.15	212	148948	0.41	ng	0.00
29) Terphenyl-d14	19.76	244	28851	0.41	ng	0.00

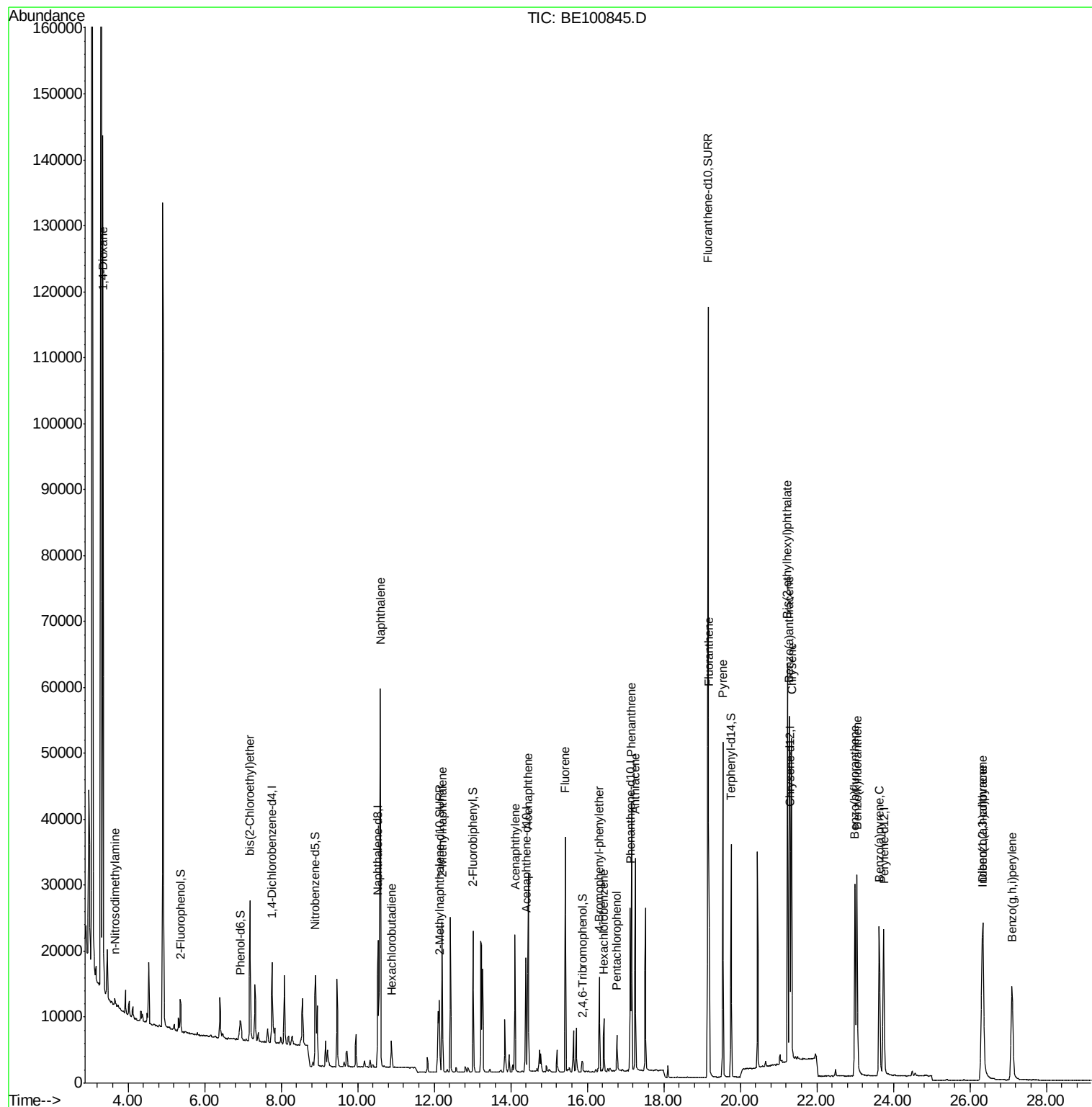
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.34	88	71789	7.959	ng	90
3) n-Nitrosodimethylamine	3.65	42	1260	0.172	ng	# 81
6) bis(2-Chloroethyl)ether	7.18	93	7455	0.435	ng	100
9) Naphthalene	10.59	128	97159	0.422	ng	100
10) Hexachlorobutadiene	10.89	225	2656	0.296	ng	97
12) 2-Methylnaphthalene	12.21	142	15407	0.429	ng	96
16) Acenaphthylene	14.11	152	22452	0.454	ng	100
17) Acenaphthene	14.46	154	14552	0.427	ng	99
18) Fluorene	15.42	166	20024	0.456	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	5880	0.391	ng	# 73
21) Hexachlorobenzene	16.44	284	5871	0.360	ng	99
22) Pentachlorophenol	16.77	266	3036	2.689	ng	# 82
23) Phenanthrene	17.16	178	39200	0.423	ng	99
24) Anthracene	17.26	178	32981	0.425	ng	98
26) Fluoranthene	19.18	202	45365	0.410	ng	99
28) Pyrene	19.55	202	45351	0.475	ng	100
30) Benzo(a)anthracene	21.28	228	44946	0.519	ng	99
31) Chrysene	21.34	228	44662	0.439	ng	97
32) Bis(2-ethylhexyl)phthalate	21.23	149	72253	1.069	ng	100
33) Indeno(1,2,3-cd)pyrene	26.32	276	41613	0.470	ng	# 86
35) Benzo(b)fluoranthene	23.00	252	40497	0.451	ng	100
36) Benzo(k)fluoranthene	23.05	252	46047	0.457	ng	99
37) Benzo(a)pyrene	23.63	252	37306	0.479	ng	98
38) Dibenzo(a,h)anthracene	26.35	278	33267	0.430	ng	99
39) Benzo(g,h,i)perylene	27.10	276	36215	0.437	ng	98

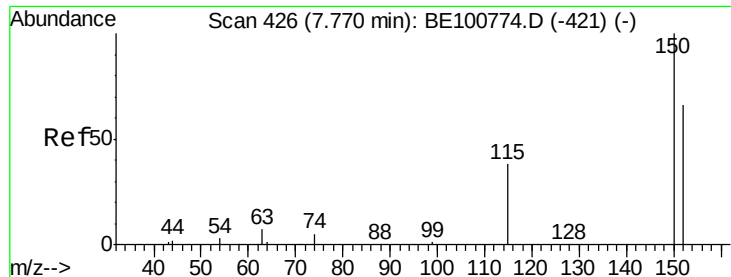
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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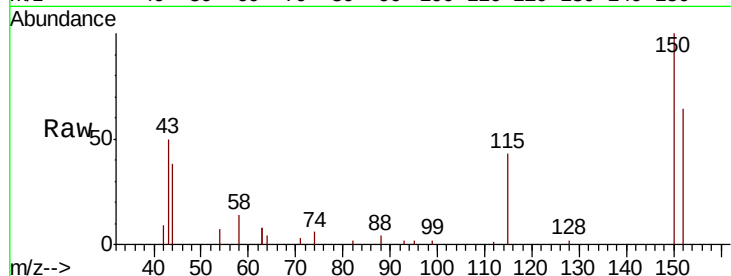


#1

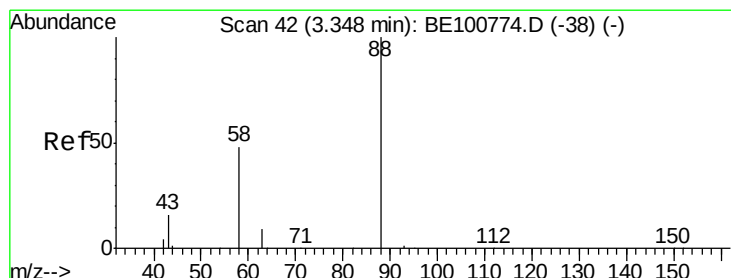
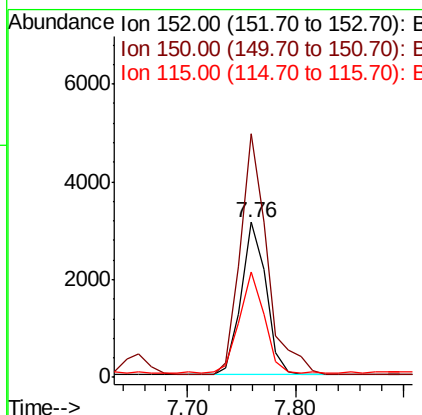
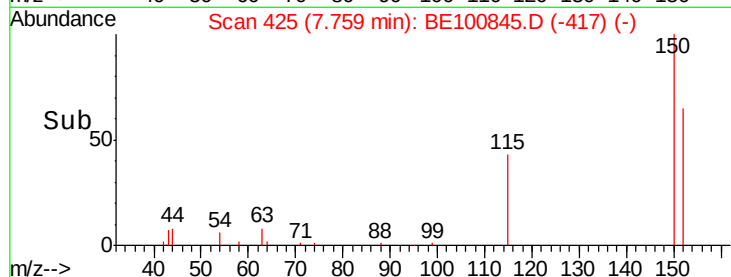
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

Tot Ion:152 Resp: 4947
Ion Ratio Lower Upper
152 100
150 157.1 120.6 181.0
115 68.0 47.4 71.2



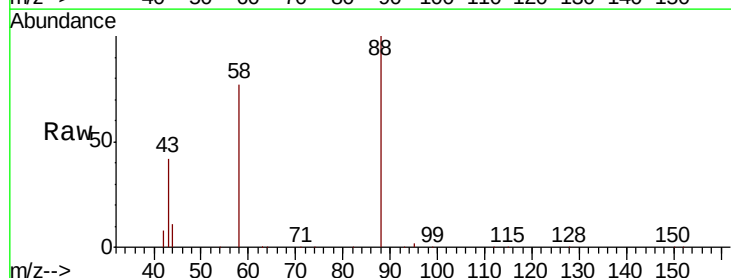
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



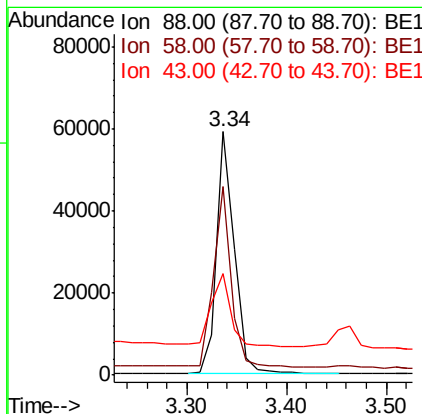
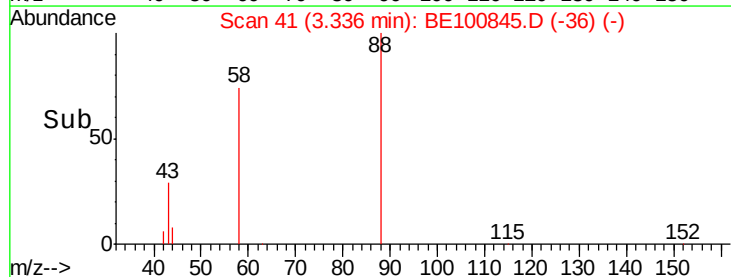
#2

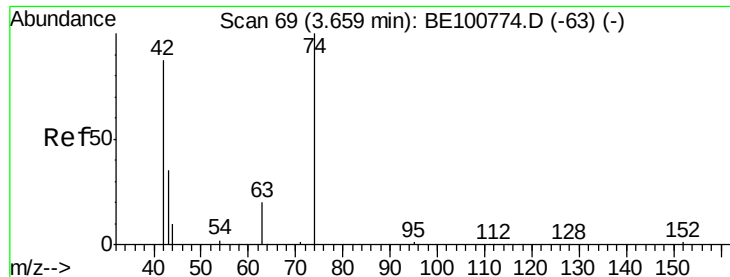
1,4-Dioxane
Concen: 7.959 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion: 88 Resp: 71789
Ion Ratio Lower Upper
88 100
58 74.1 52.5 78.7
43 33.8 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



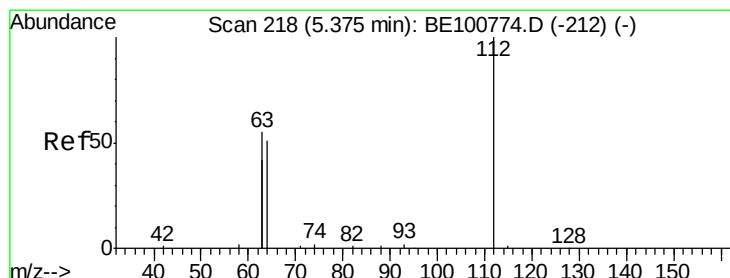
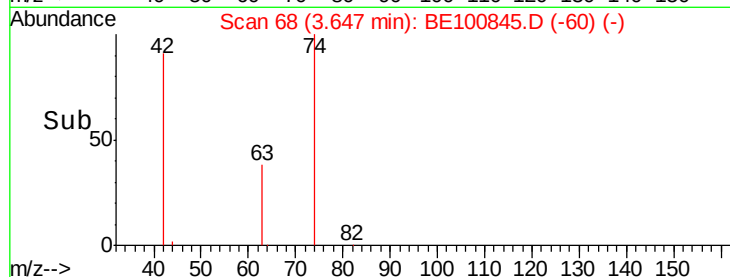
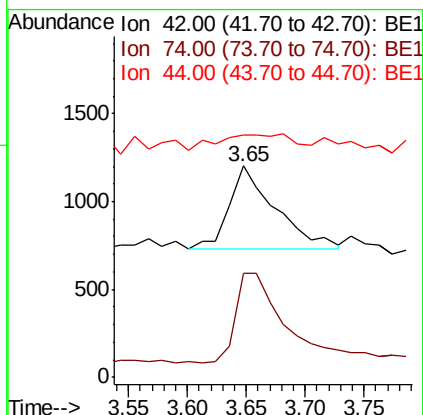
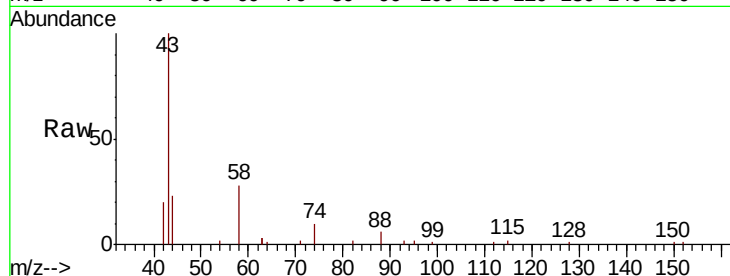


#3

n-Nitrosodimethylamine
Concen: 0.172 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

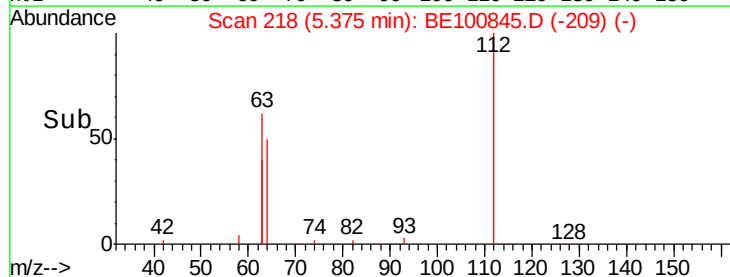
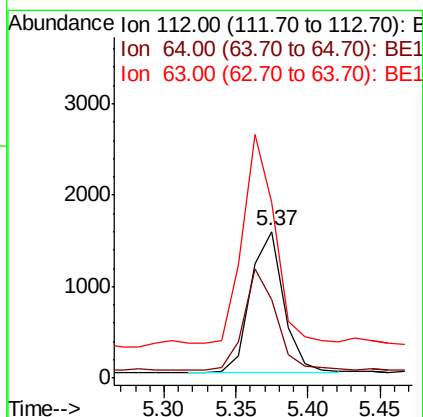
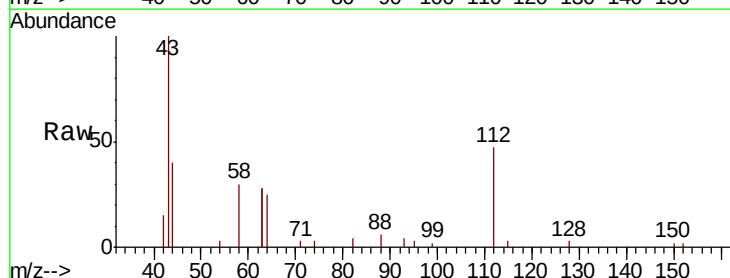
Tot Ion: 42 Resp: 1260
Ion Ratio Lower Upper
42 100
74 125.5 86.3 129.5
44 0.0 11.6 17.4#

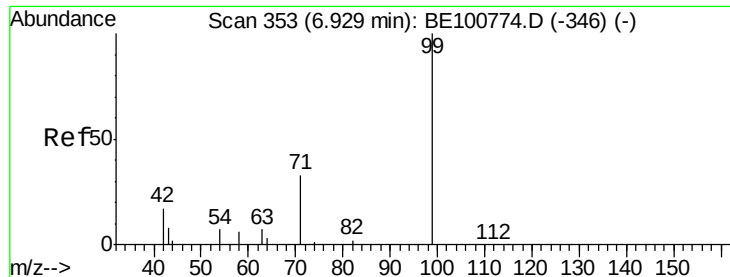


#4

2-Fluorophenol
Concen: 0.212 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion: 112 Resp: 2487
Ion Ratio Lower Upper
112 100
64 68.6 54.1 81.1
63 140.9 113.2 169.8





#5

Phenol-d6

Concen: 0.137 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

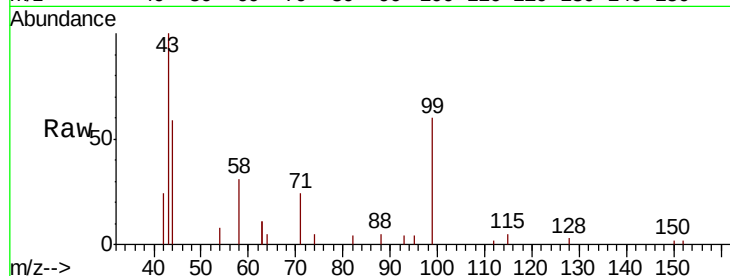
Tot Ion: 99 Resp: 2432

Ion Ratio Lower Upper

99 100

42 30.0 19.1 28.7#

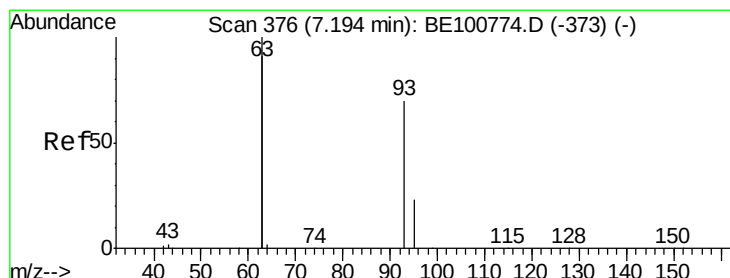
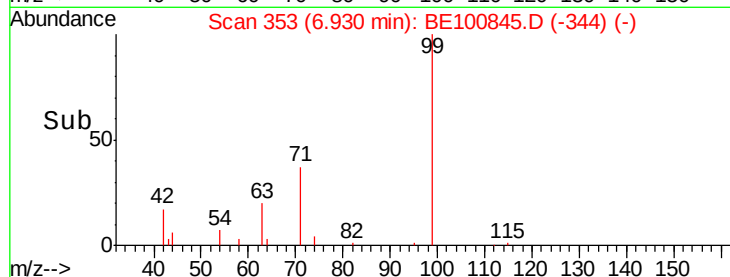
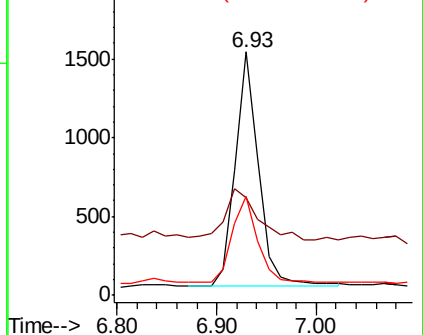
71 39.9 27.7 41.5



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: 0.435 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

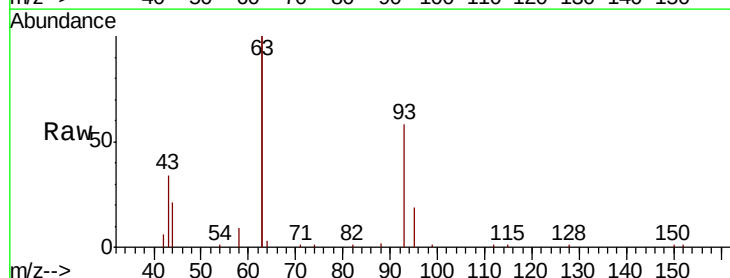
Tgt Ion: 93 Resp: 7455

Ion Ratio Lower Upper

93 100

63 323.6 259.4 389.0

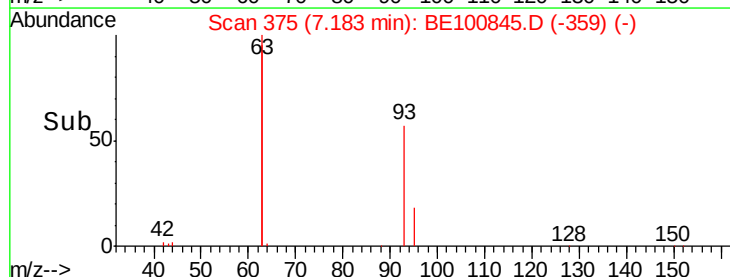
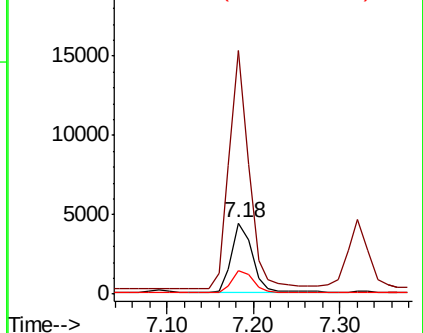
95 33.2 26.2 39.2

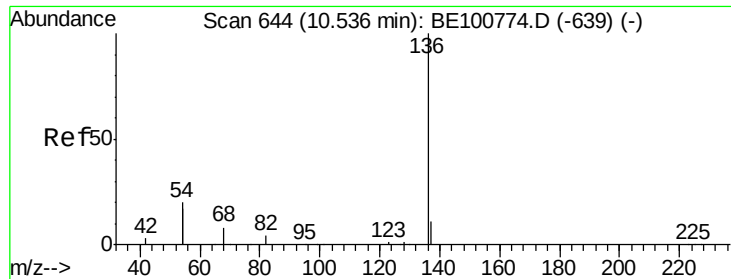


Abundance Ion 93.00 (92.70 to 93.70): BE1

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: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

Tot Ion:136 Resp: 21665

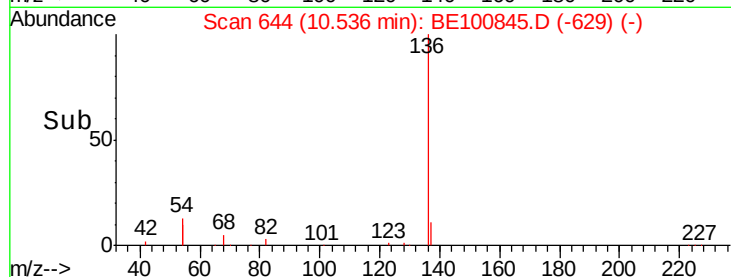
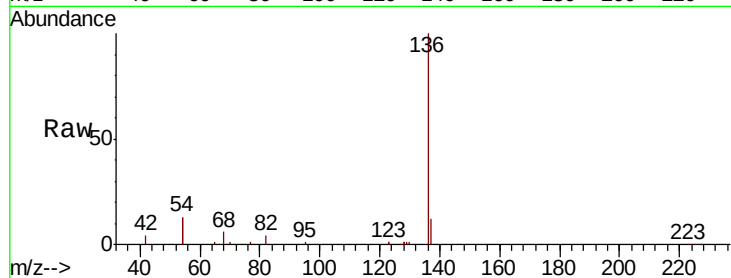
Ion Ratio Lower Upper

136 100

137 11.6 9.4 14.0

54 25.3 31.1 46.7#

68 5.9 6.6 10.0#



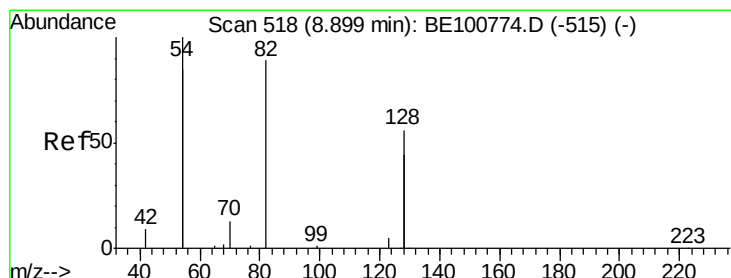
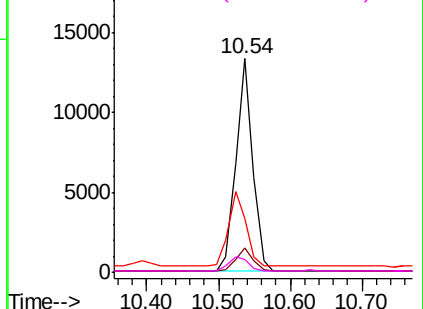
Abundance

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: 0.551 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

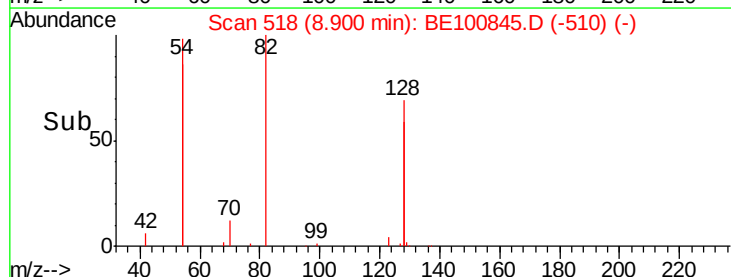
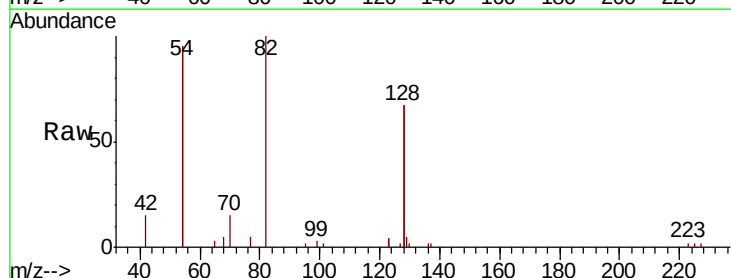
Tgt Ion: 82 Resp: 5687

Ion Ratio Lower Upper

82 100

128 133.9 97.0 145.4

54 190.3 171.8 257.6

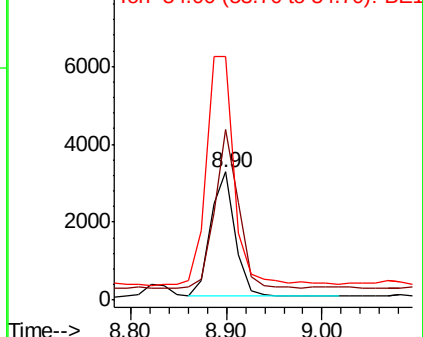


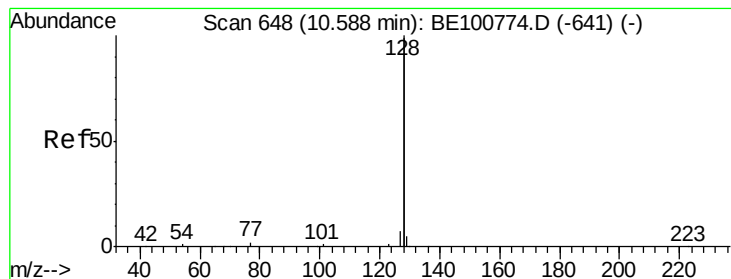
Abundance

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: 0.422 ng

RT: 10.59 min Scan# 648

Delta R.T. 0.00 min

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Acq: 11 Dec 2019 13:44

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ClientSampleId :

RE131D2-20191205MS

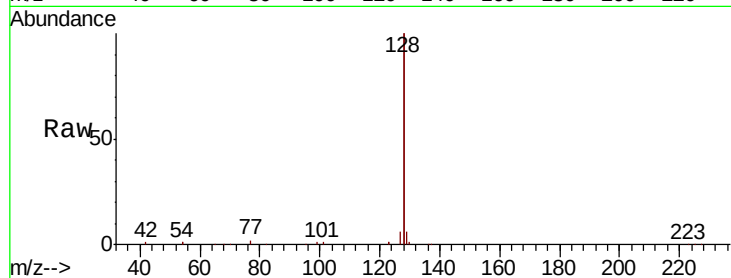
Tot Ion:128 Resp: 97159

Ion Ratio Lower Upper

128 100

129 2.9 2.2 3.4

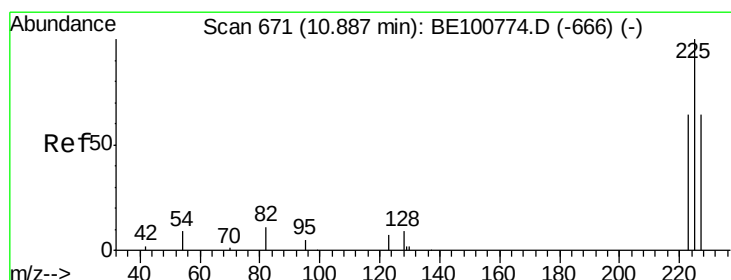
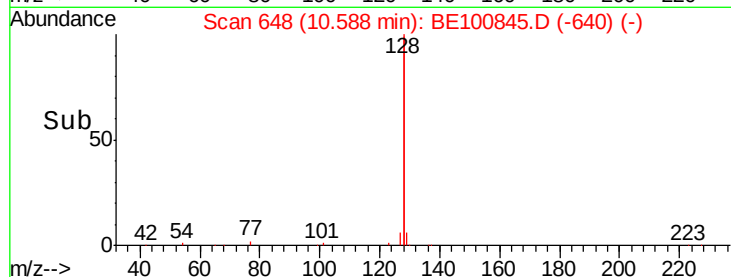
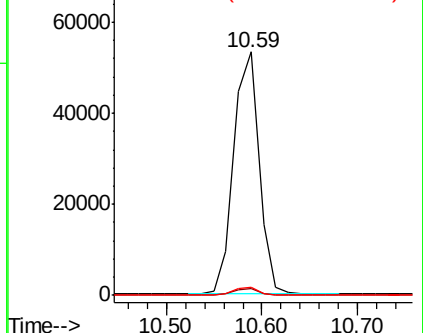
127 3.2 2.7 4.1



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: 0.296 ng

RT: 10.89 min Scan# 671

Delta R.T. 0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

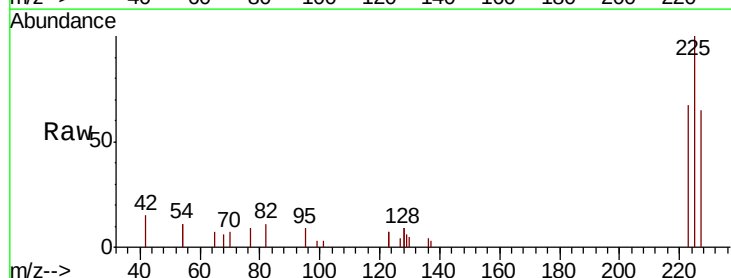
Tgt Ion:225 Resp: 2656

Ion Ratio Lower Upper

225 100

223 65.0 49.9 74.9

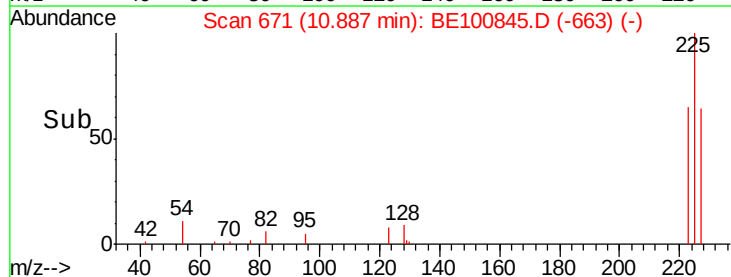
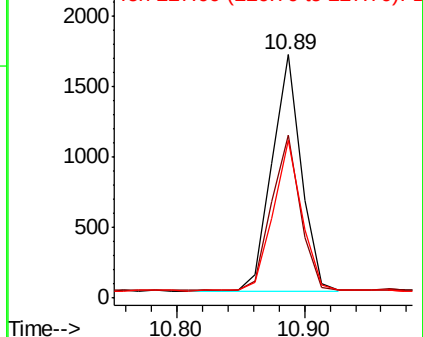
227 62.9 52.2 78.4

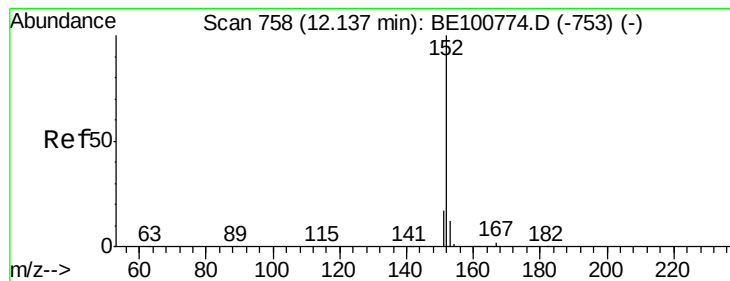


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.640 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

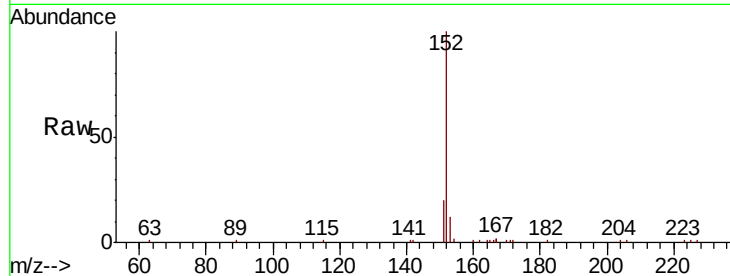
RE131D2-20191205MS

Tot Ion:152 Resp: 20105

Ion Ratio Lower Upper

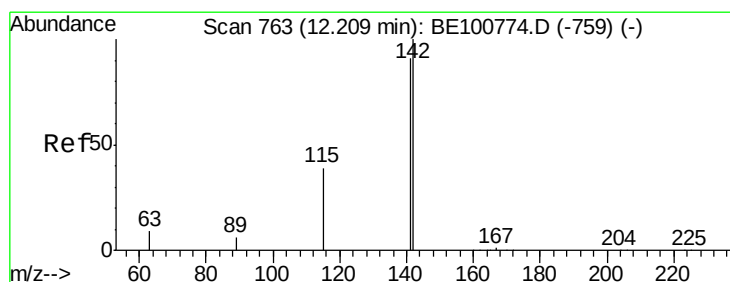
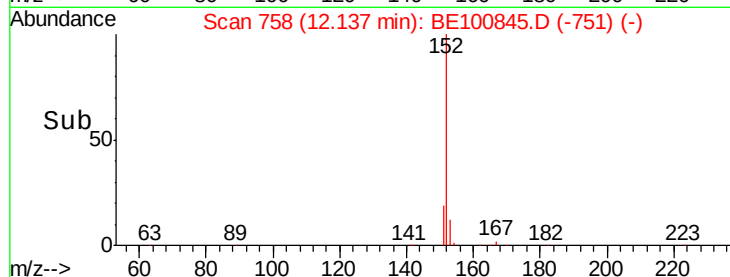
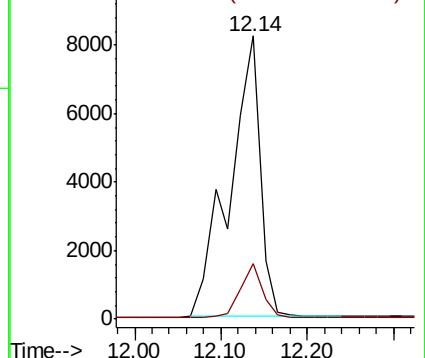
152 100

151 13.6 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: 0.429 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

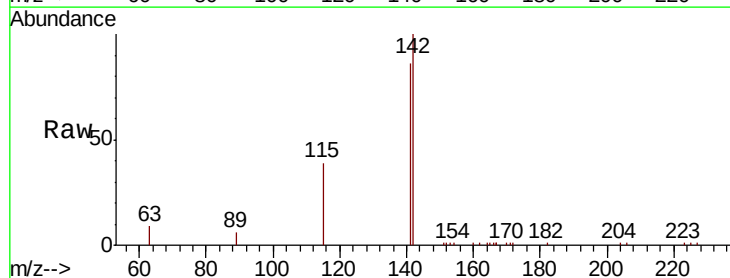
Tgt Ion:142 Resp: 15407

Ion Ratio Lower Upper

142 100

141 86.1 72.6 108.8

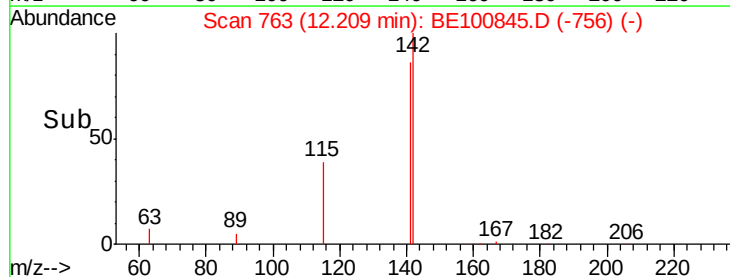
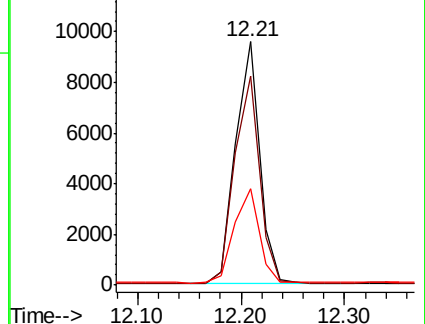
115 39.4 31.8 47.6

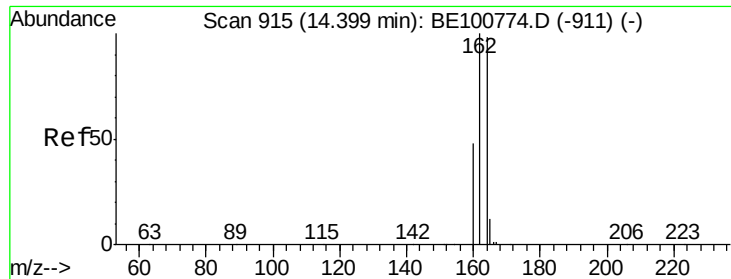


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

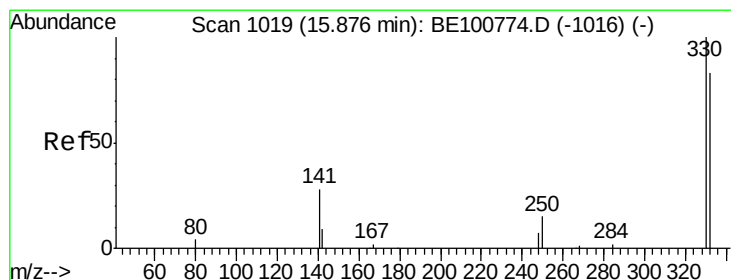
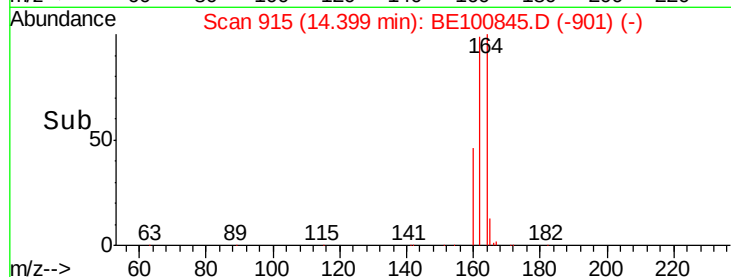
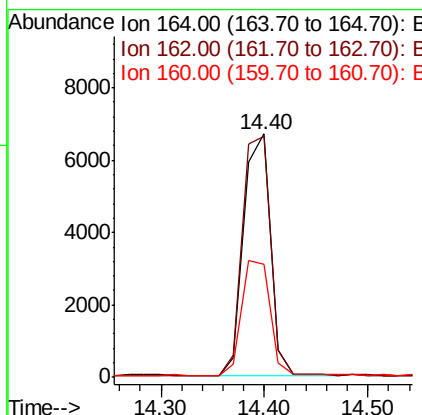
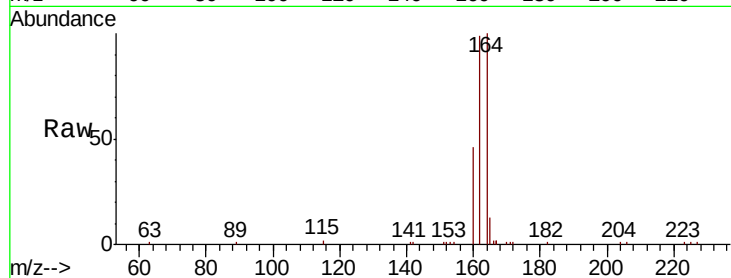




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: BE100845.D
 Acq: 11 Dec 2019 13:44

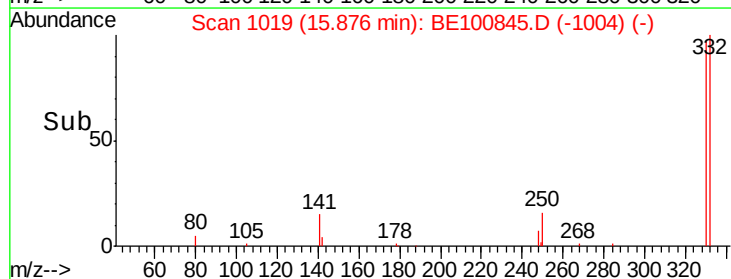
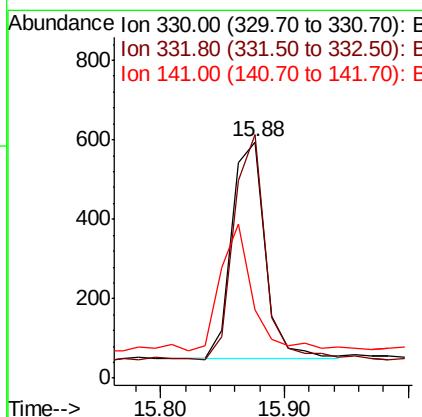
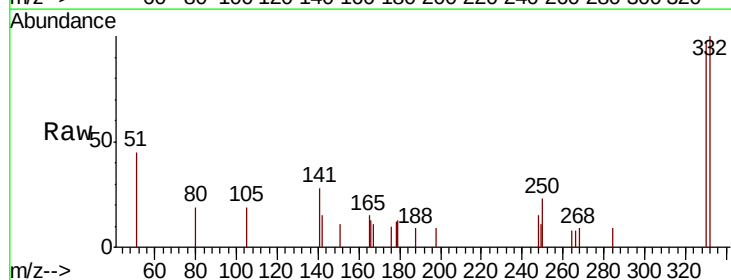
Instrument :
 BNA_E
 ClientSampleId :
 RE131D2-20191205MS

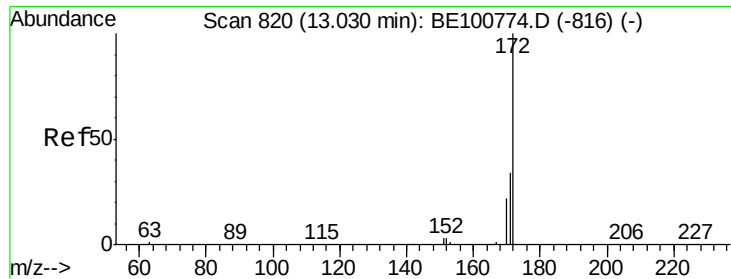
Tot Ion:164 Resp: 11951
 Ion Ratio Lower Upper
 164 100
 162 98.9 81.4 122.0
 160 46.5 39.4 59.0



#14
 2,4,6-Tribromophenol
 Concen: 0.761 ng
 RT: 15.88 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: BE100845.D
 Acq: 11 Dec 2019 13:44

Tgt Ion:330 Resp: 1012
 Ion Ratio Lower Upper
 330 100
 332 99.6 69.4 104.2
 141 58.7 51.1 76.7

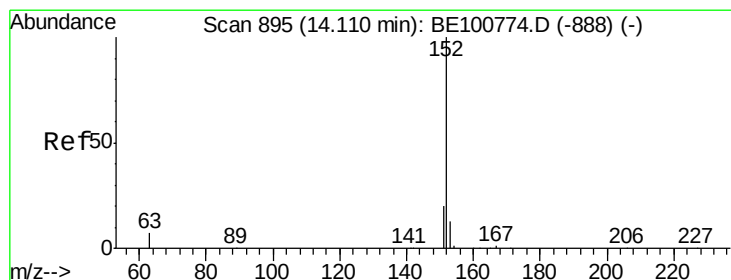
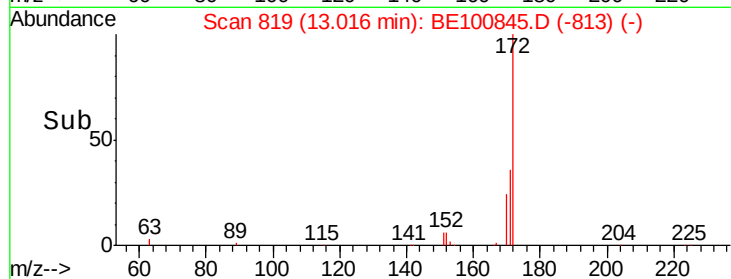
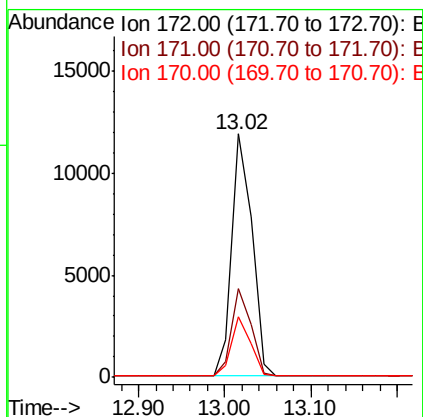
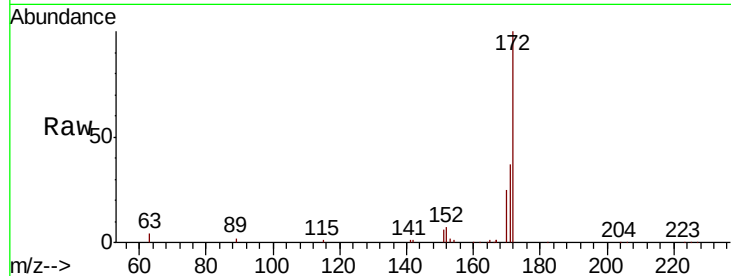




#15
2-Fluorobiphenyl
Concen: 0.405 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

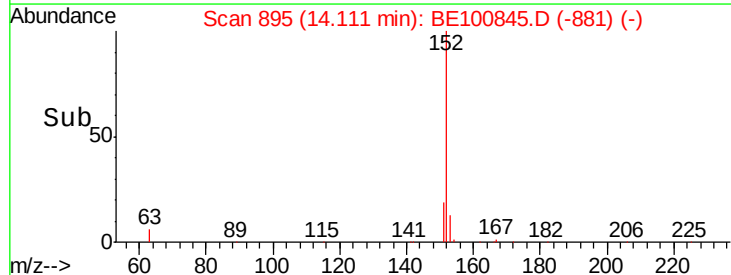
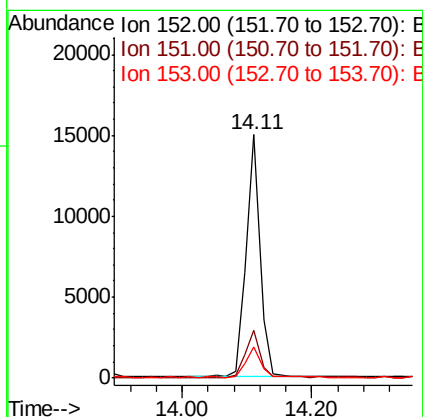
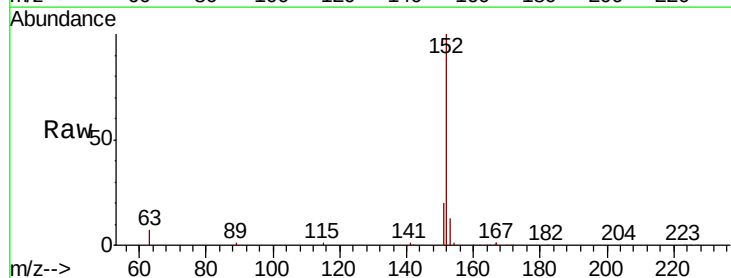
Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

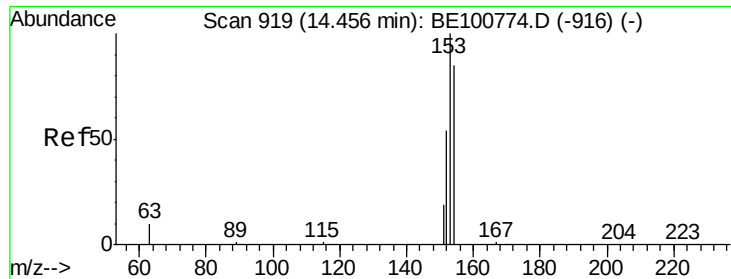
Tot Ion:172 Resp: 19216
Ion Ratio Lower Upper
172 100
171 36.5 27.2 40.8
170 24.7 18.0 27.0



#16
Acenaphthylene
Concen: 0.454 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:152 Resp: 22452
Ion Ratio Lower Upper
152 100
151 19.6 15.8 23.6
153 13.0 10.4 15.6

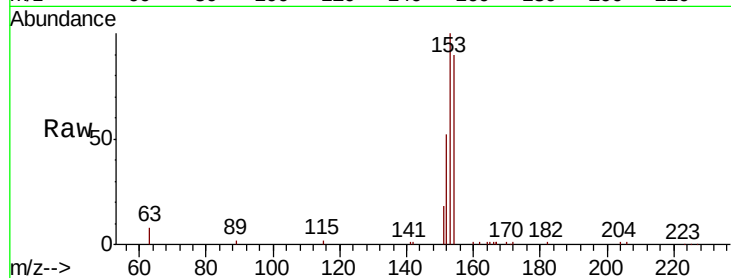




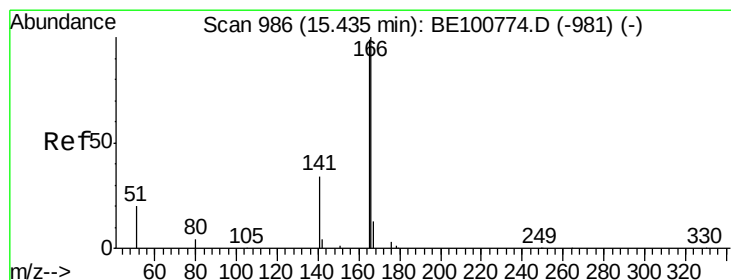
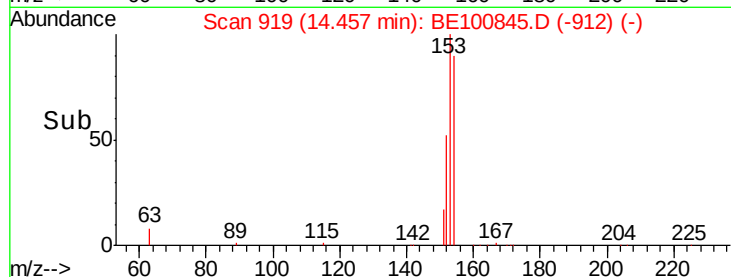
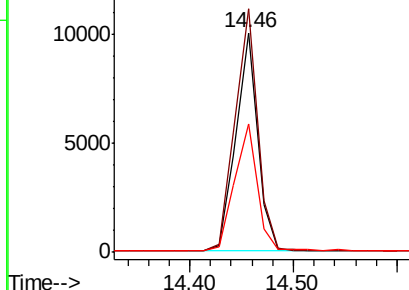
#17
Acenaphthene
Concen: 0.427 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

Tot Ion:154 Resp: 14552
Ion Ratio Lower Upper
154 100
153 114.5 92.2 138.2
152 60.4 49.1 73.7

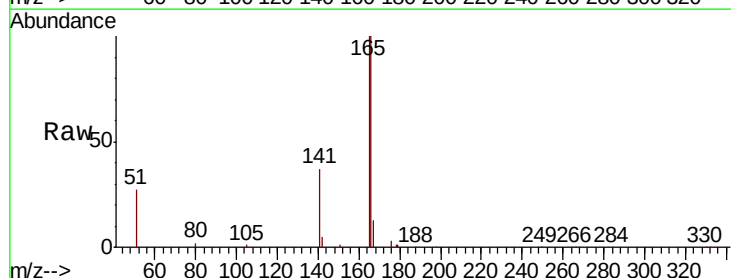


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

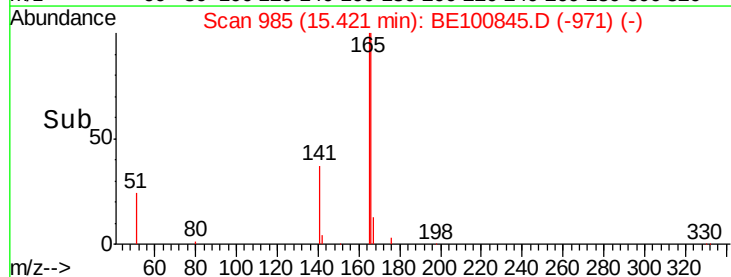
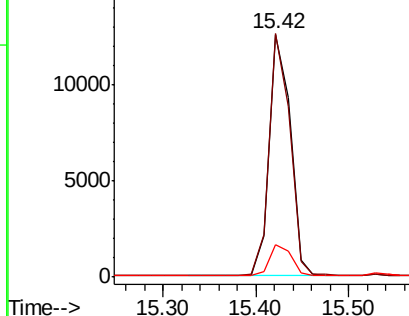


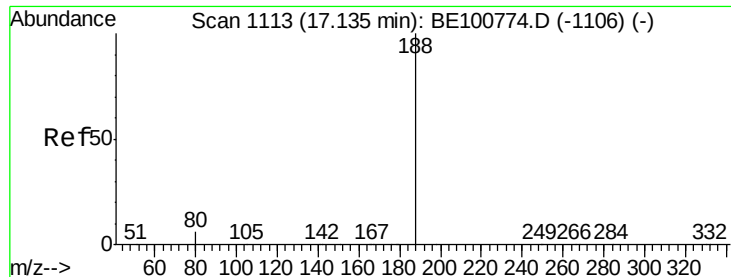
#18
Fluorene
Concen: 0.456 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:166 Resp: 20024
Ion Ratio Lower Upper
166 100
165 98.4 80.5 120.7
167 13.5 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: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

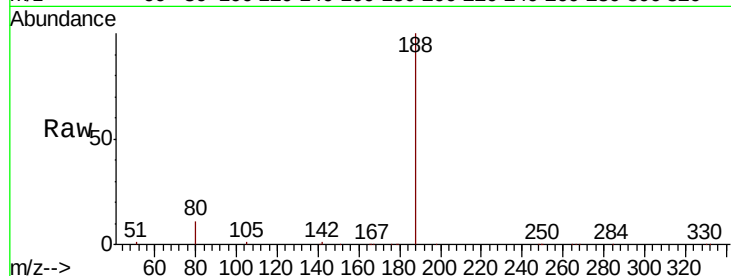
Tot Ion:188 Resp: 30621

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

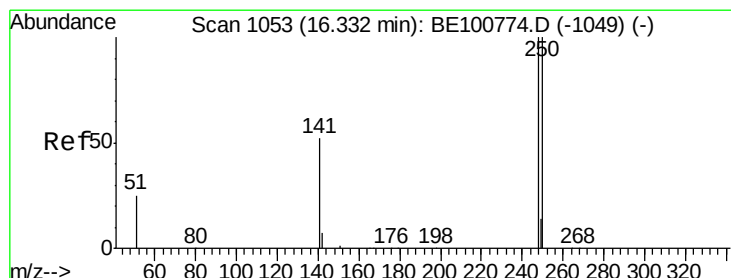
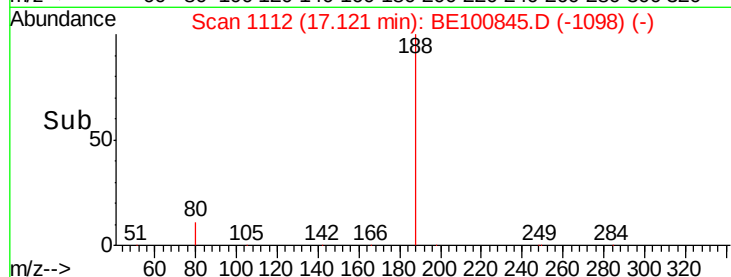
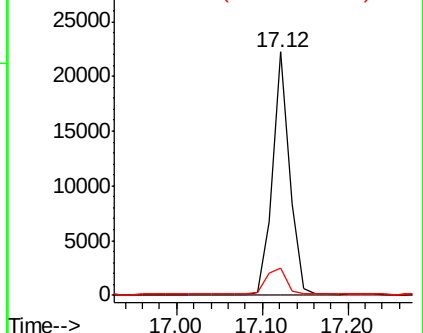
80 11.2 5.2 7.8#



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: 0.391 ng

RT: 16.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

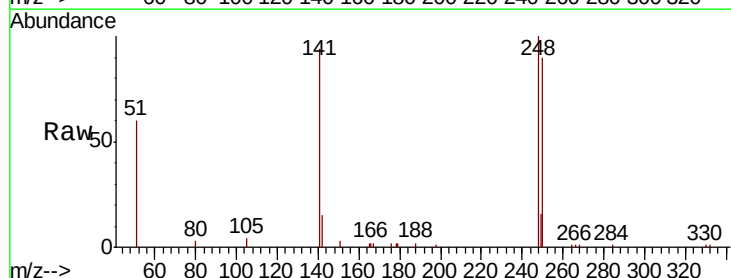
Tgt Ion:248 Resp: 5880

Ion Ratio Lower Upper

248 100

250 89.8 80.5 120.7

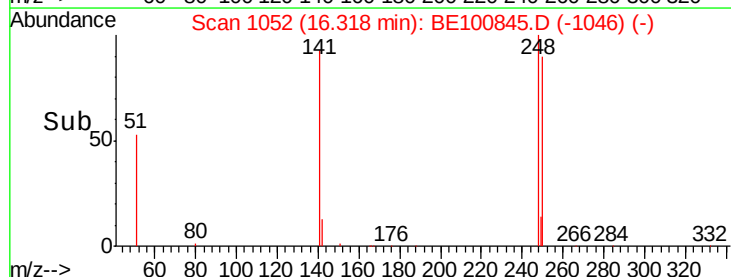
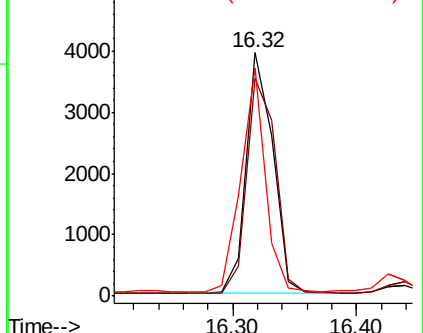
141 93.8 42.6 64.0#

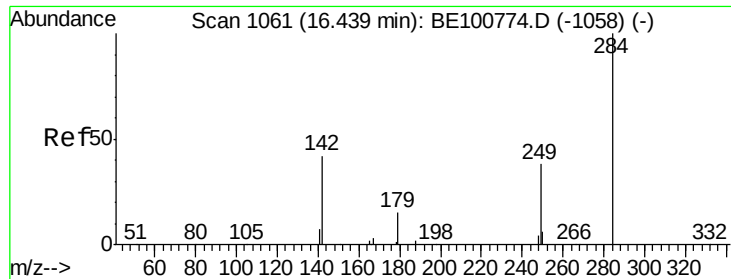


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

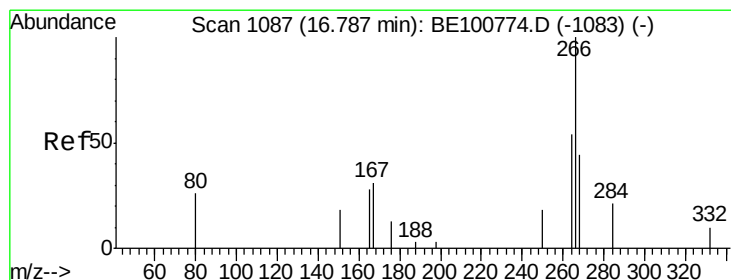
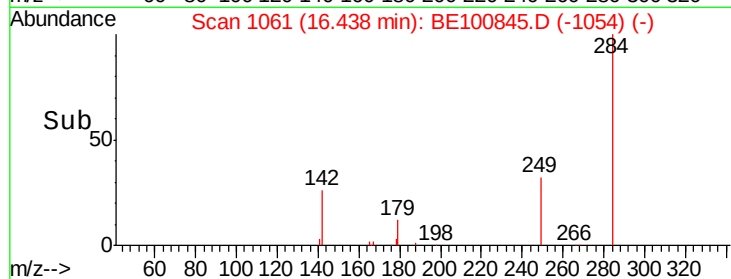
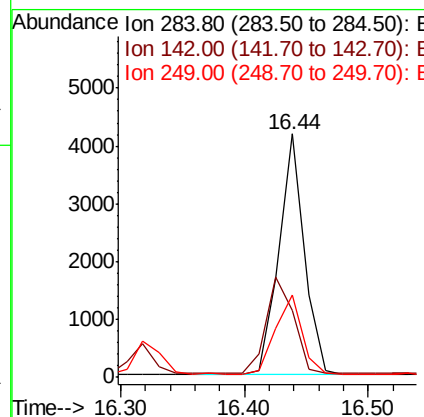
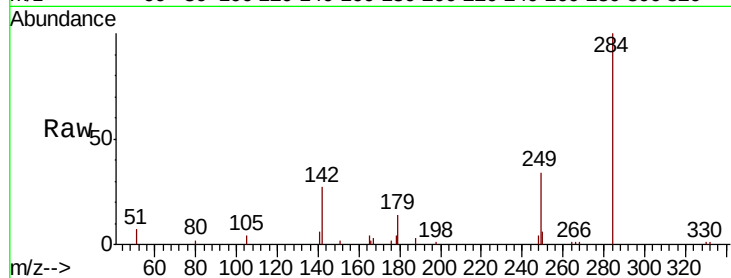




#21
Hexachlorobenzene
Concen: 0.360 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

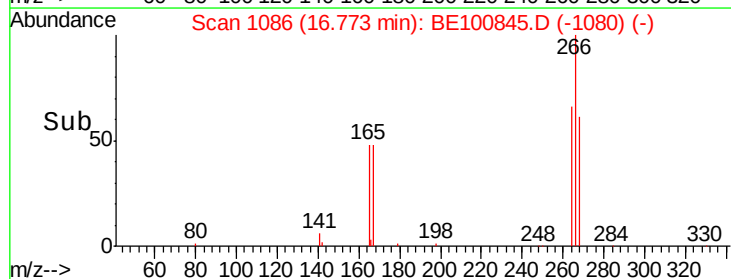
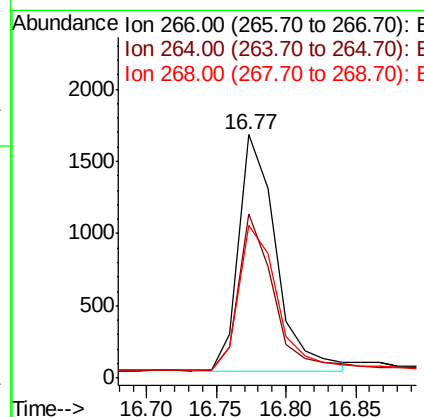
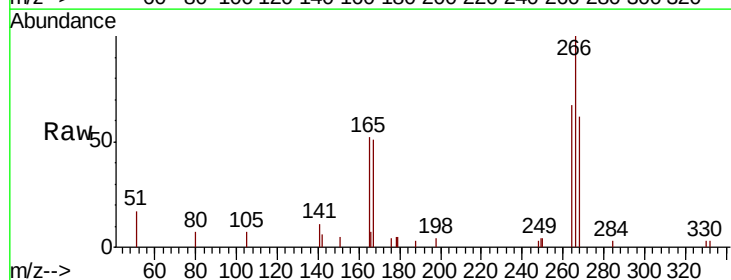
Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

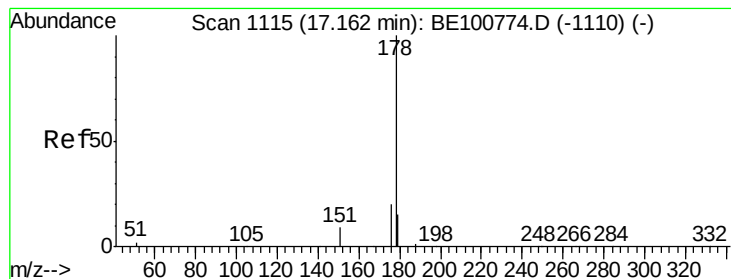
Tot Ion:284	Resp:	5871
Ion Ratio	Lower	Upper
284	100	
142	43.4	34.4 51.6
249	34.2	28.5 42.7



#22
Pentachlorophenol
Concen: 2.689 ng
RT: 16.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:266	Resp:	3036
Ion Ratio	Lower	Upper
266	100	
264	67.2	63.4 95.0
268	62.5	65.8 98.8#





#23

Phenanthrene

Concen: 0.423 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

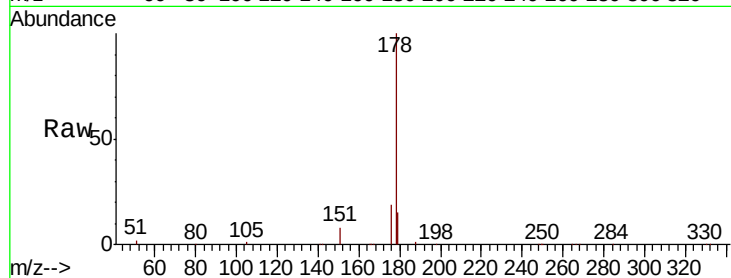
Tot Ion:178 Resp: 39200

Ion Ratio Lower Upper

178 100

176 19.0 15.5 23.3

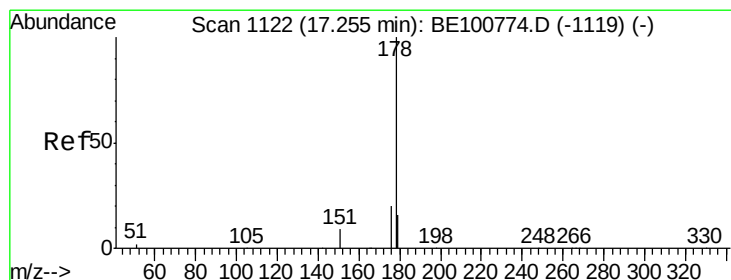
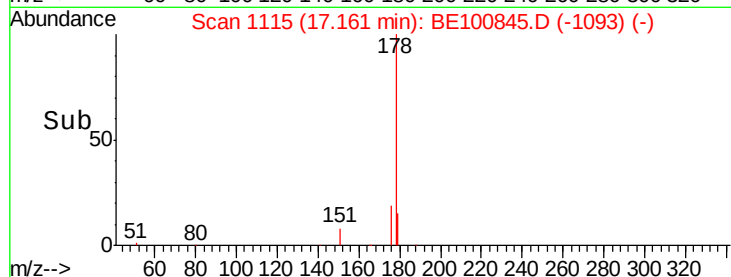
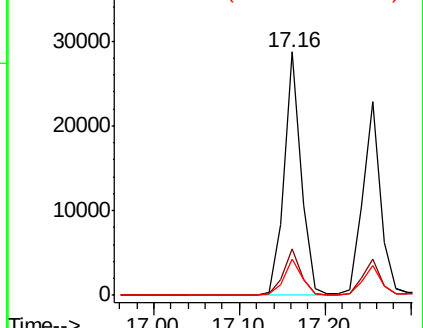
179 15.2 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.425 ng

RT: 17.26 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

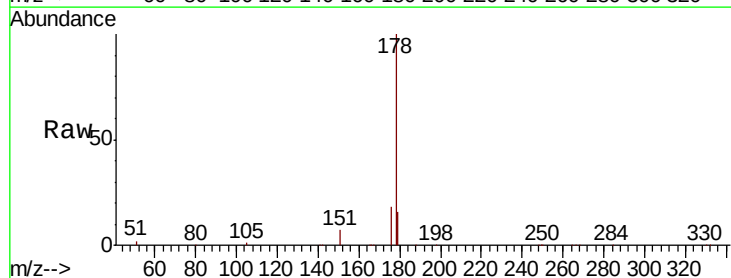
Tgt Ion:178 Resp: 32981

Ion Ratio Lower Upper

178 100

176 18.3 15.4 23.2

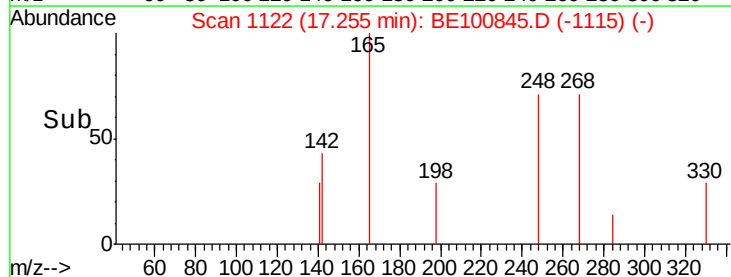
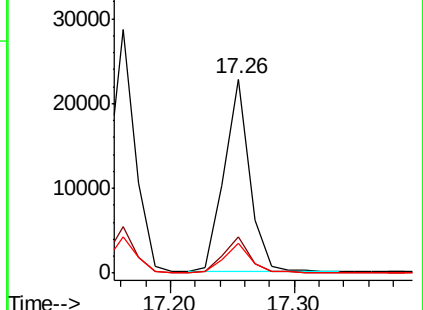
179 15.3 12.7 19.1

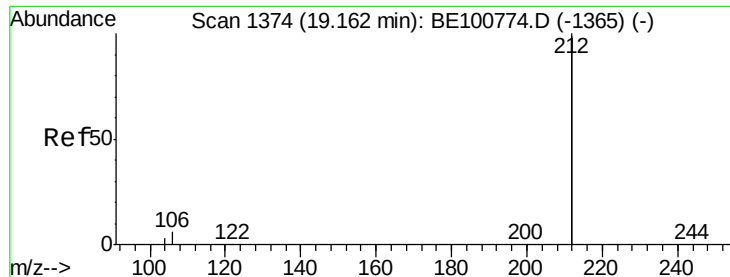


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.412 ng

RT: 19.15 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

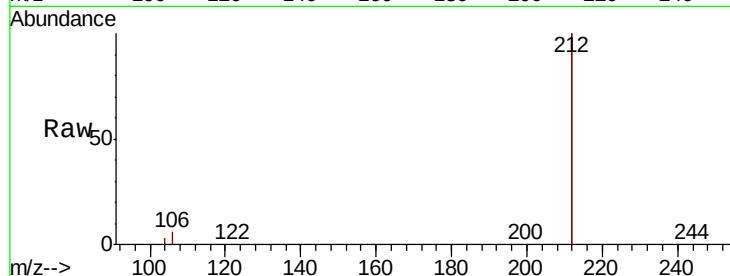
Tot Ion:212 Resp: 148948

Ion Ratio Lower Upper

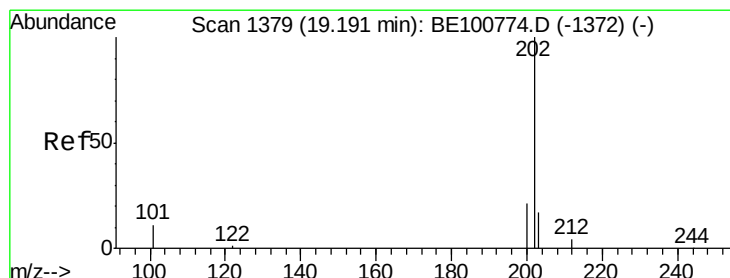
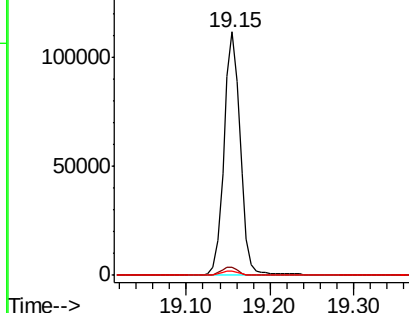
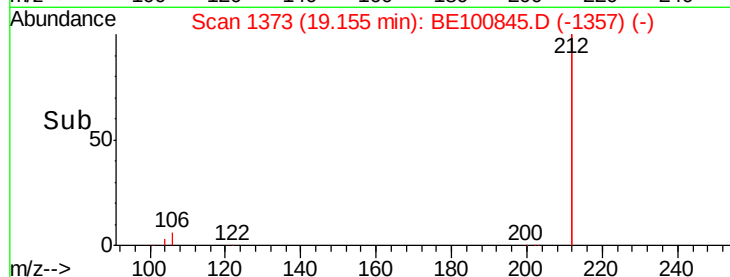
212 100

106 3.3 2.6 3.8

104 1.8 1.4 2.2



Abundance Ion 212.00 (211.70 to 212.70): E
150000
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.410 ng

RT: 19.18 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

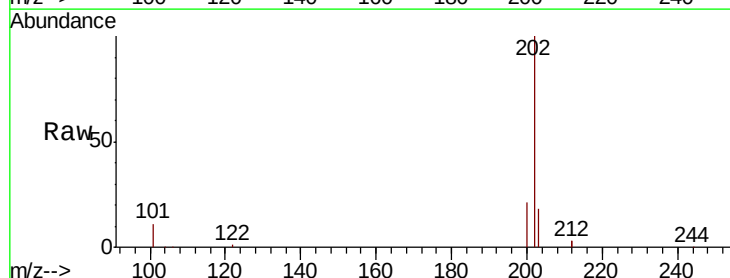
Tgt Ion:202 Resp: 45365

Ion Ratio Lower Upper

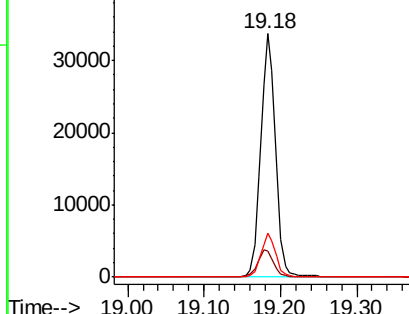
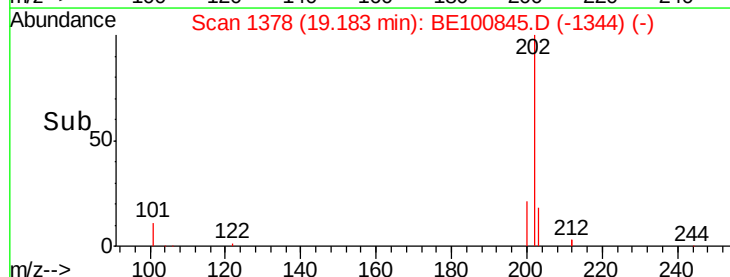
202 100

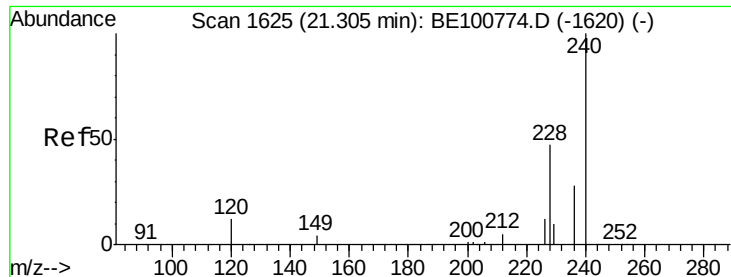
101 11.8 9.1 13.7

203 17.3 13.8 20.6



Abundance Ion 202.00 (201.70 to 202.70): E
40000
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

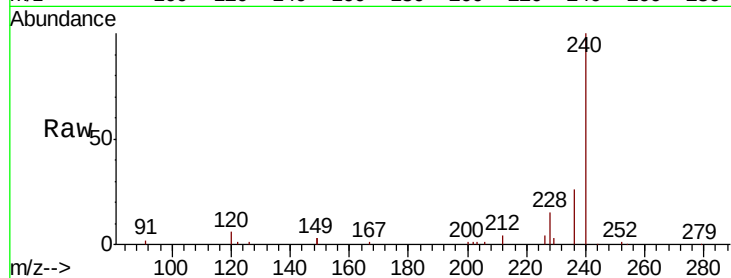




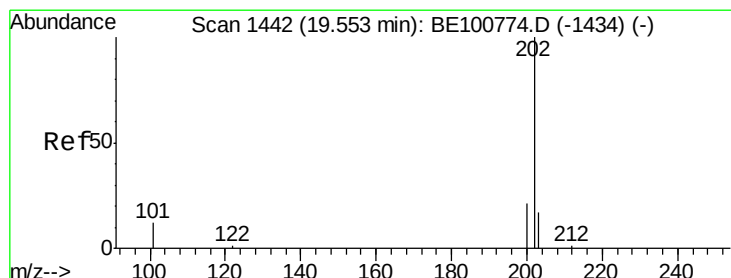
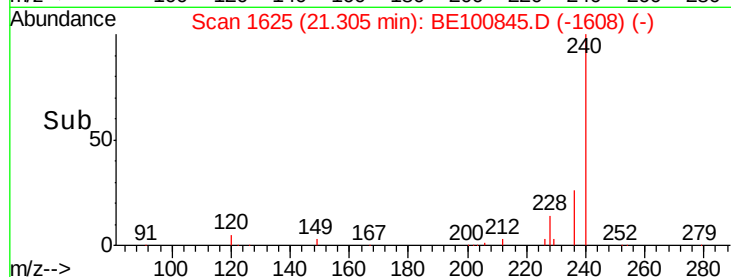
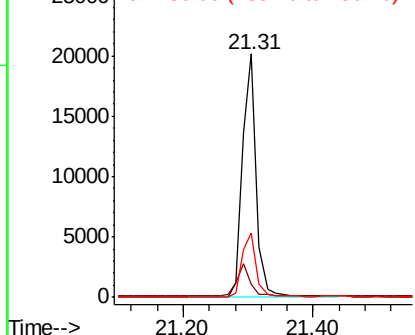
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

Tot Ion:240 Resp: 29368
Ion Ratio Lower Upper
240 100
120 5.5 10.2 15.2#
236 26.4 22.3 33.5

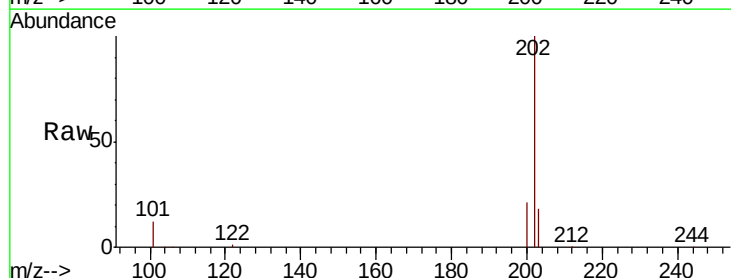


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

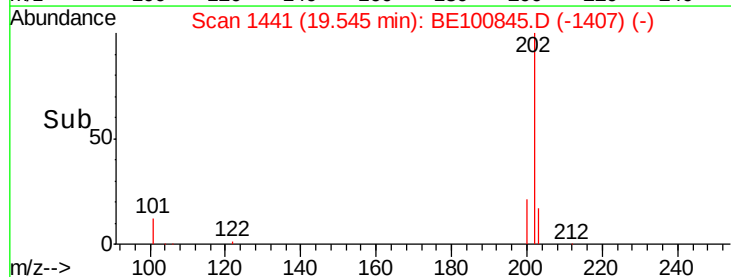
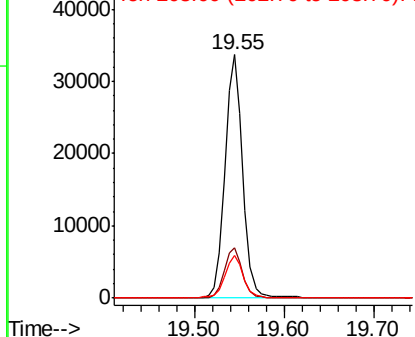


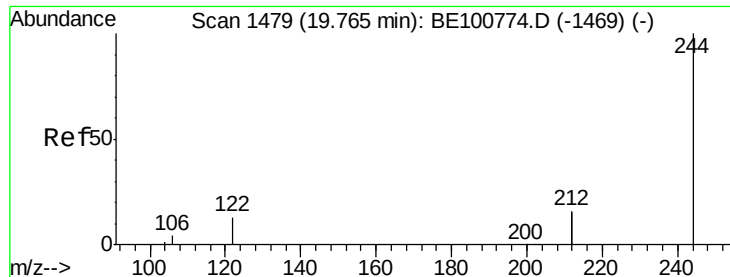
#28
Pyrene
Concen: 0.475 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:202 Resp: 45351
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.4
203 17.7 13.9 20.9



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: 0.410 ng

RT: 19.76 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

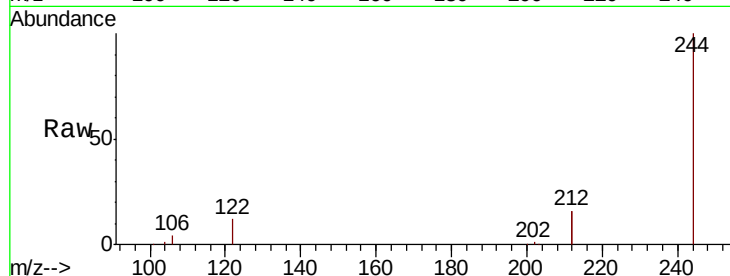
Tot Ion:244 Resp: 28851

Ion Ratio Lower Upper

244 100

212 31.7 26.2 39.4

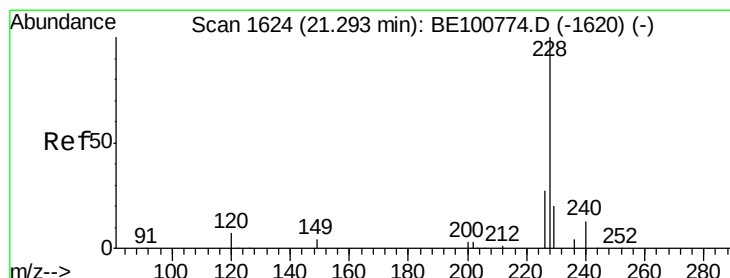
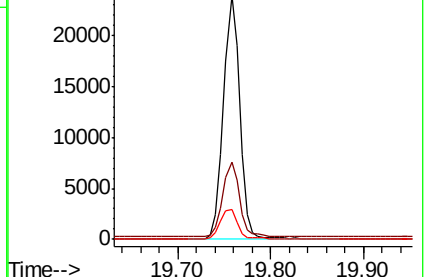
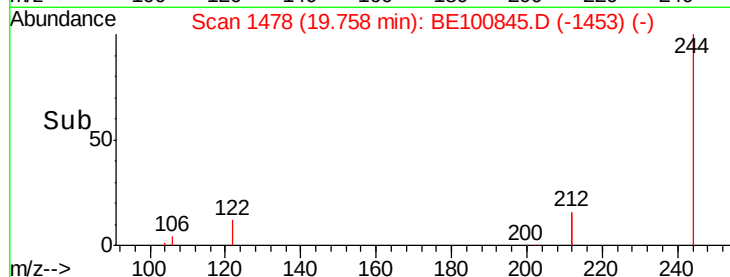
122 12.4 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.519 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

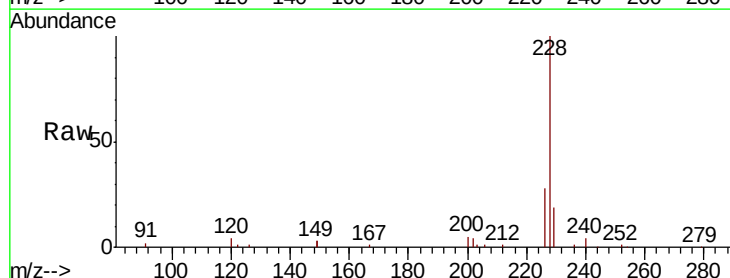
Tgt Ion:228 Resp: 44946

Ion Ratio Lower Upper

228 100

226 27.5 21.5 32.3

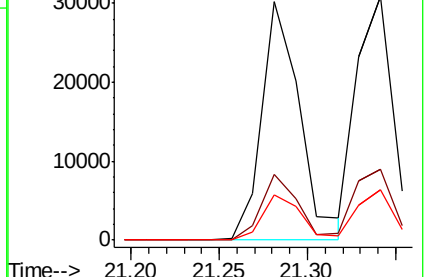
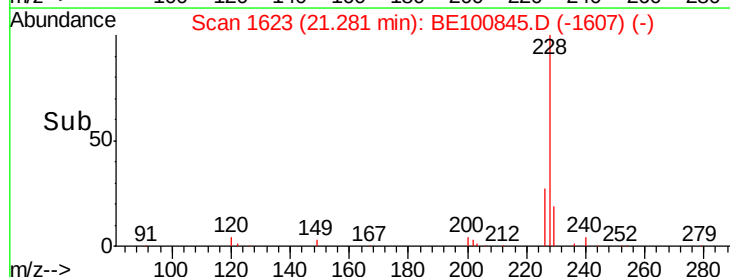
229 19.2 16.0 24.0

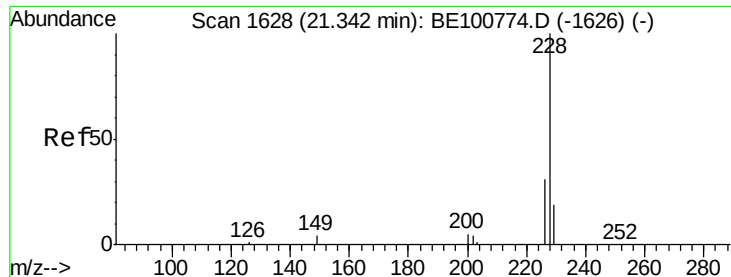


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.439 ng

RT: 21.34 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

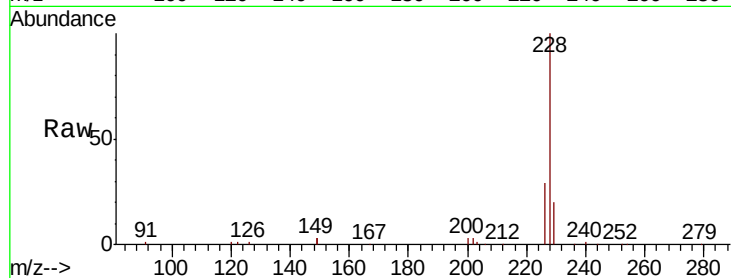
Tot Ion:228 Resp: 44662

Ion Ratio Lower Upper

228 100

226 29.0 25.0 37.4

229 20.5 15.4 23.2

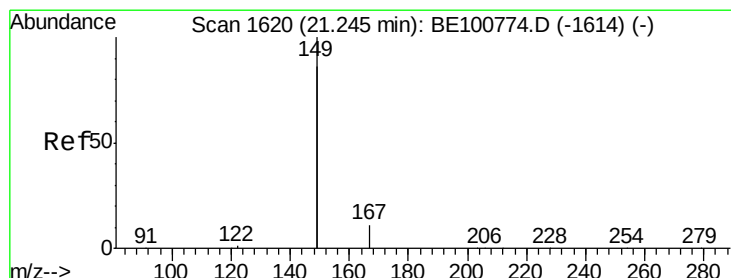
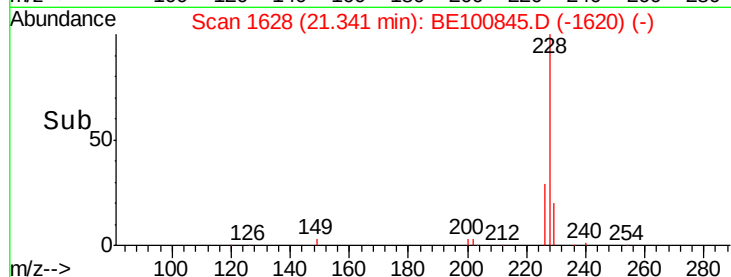
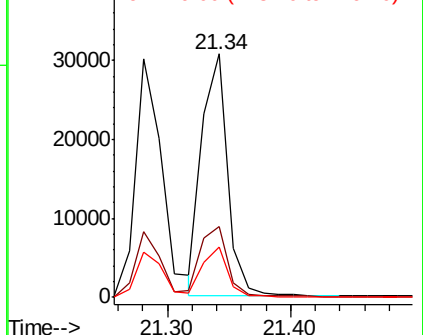


Abundance

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: 1.069 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

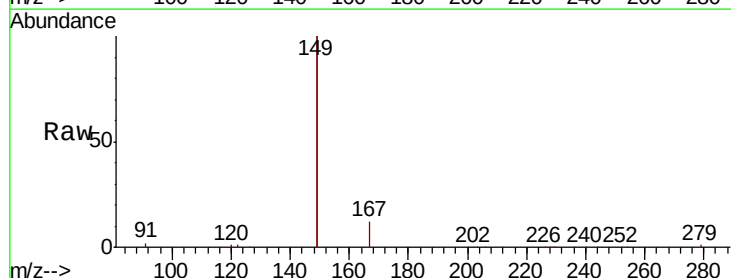
Tgt Ion:149 Resp: 72253

Ion Ratio Lower Upper

149 100

167 6.3 5.0 7.6

279 0.8 0.7 1.1

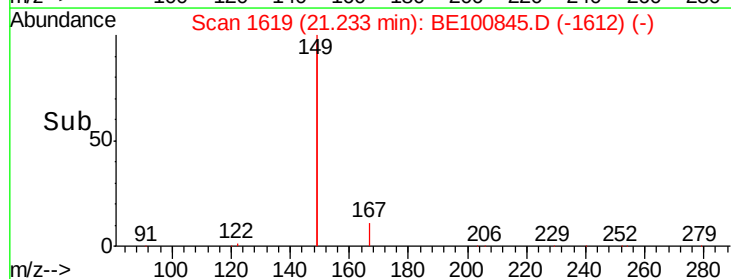
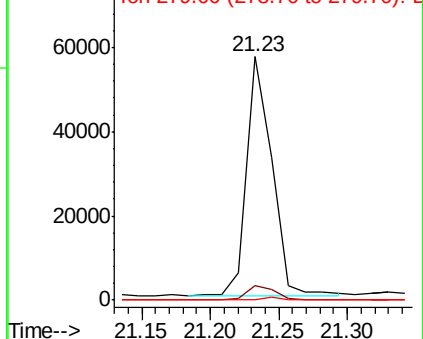


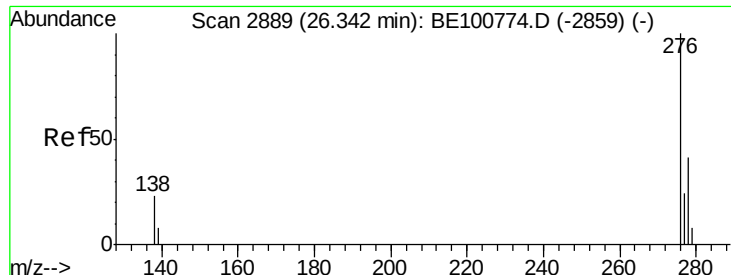
Abundance

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

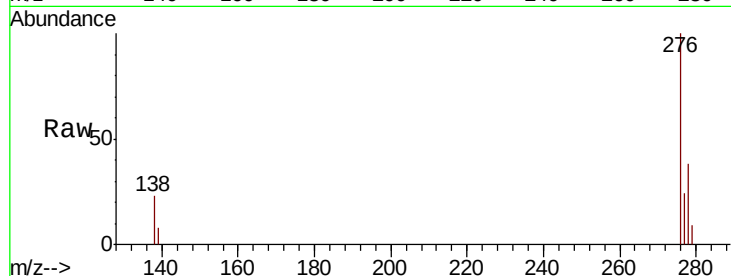




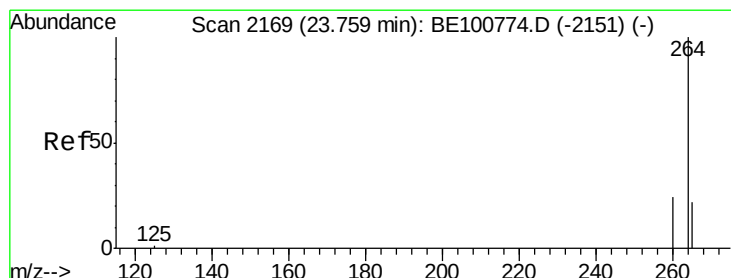
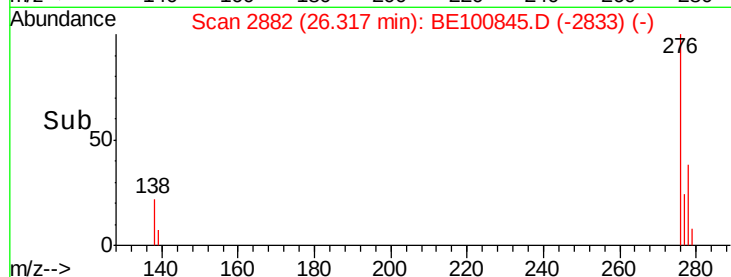
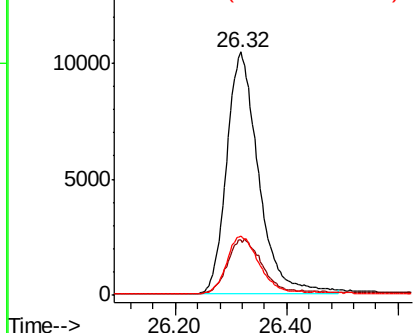
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.470 ng
RT: 26.32 min Scan# 2882
Delta R.T. -0.02 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Instrument :
BNA_E
ClientSampleId :
RE131D2-20191205MS

Tot Ion:276 Resp: 41613
Ion Ratio Lower Upper
276 100
138 10.9 19.4 29.0#
277 24.3 19.8 29.6

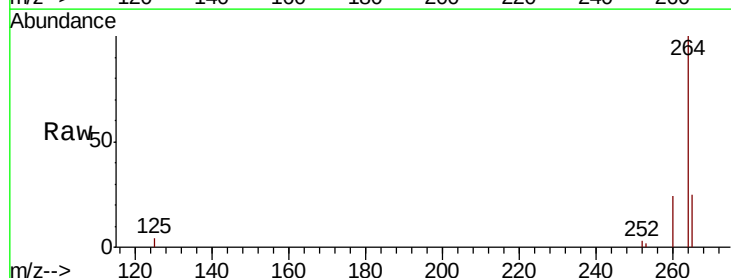


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

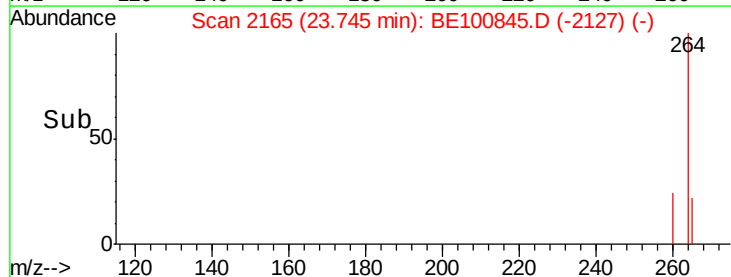
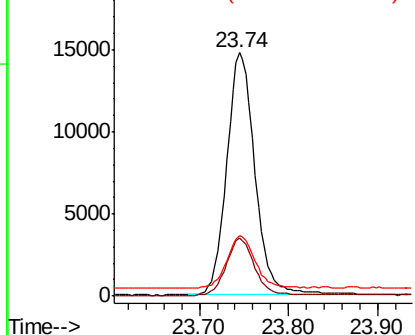


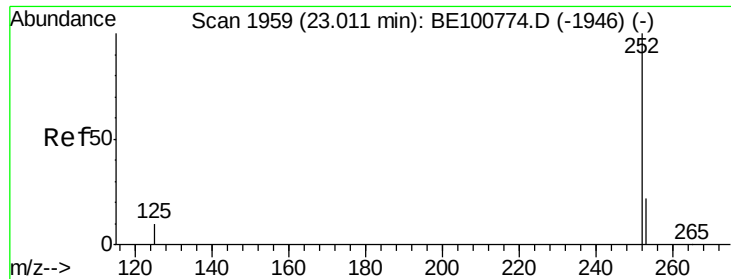
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE100845.D
Acq: 11 Dec 2019 13:44

Tgt Ion:264 Resp: 32829
Ion Ratio Lower Upper
264 100
260 23.9 19.4 29.2
265 24.8 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.451 ng

RT: 23.00 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

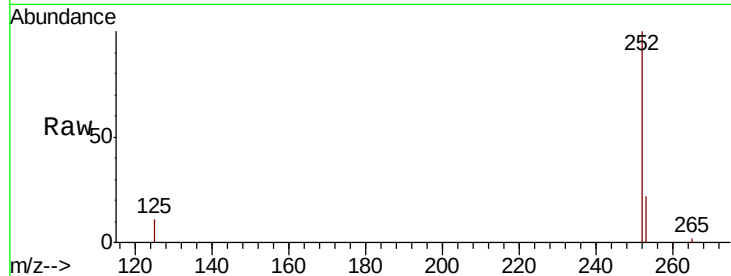
Tot Ion:252 Resp: 40497

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 11.2 9.0 13.4

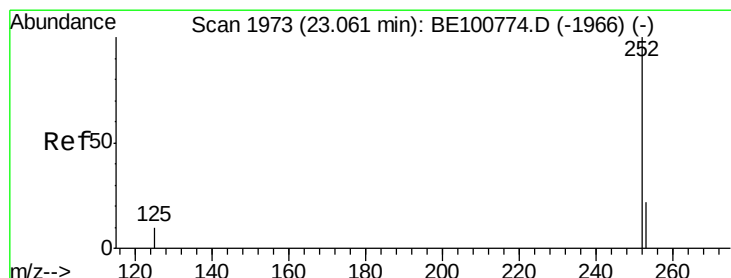
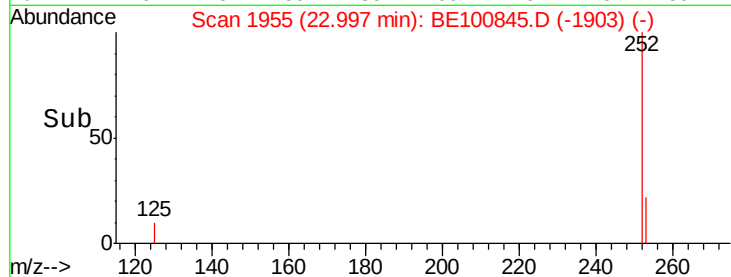
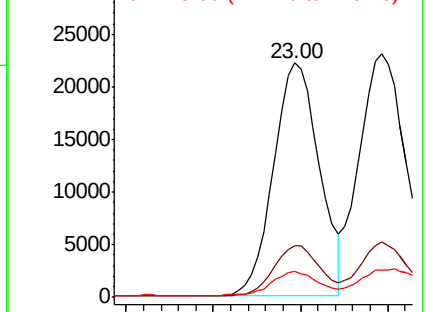


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.457 ng

RT: 23.05 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

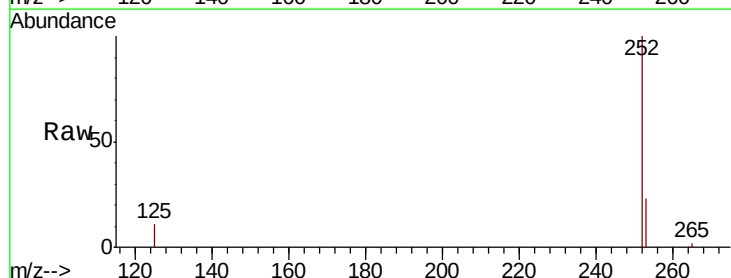
Tgt Ion:252 Resp: 46047

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

125 11.3 8.7 13.1

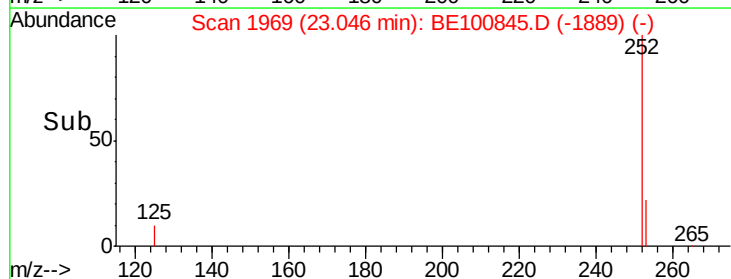
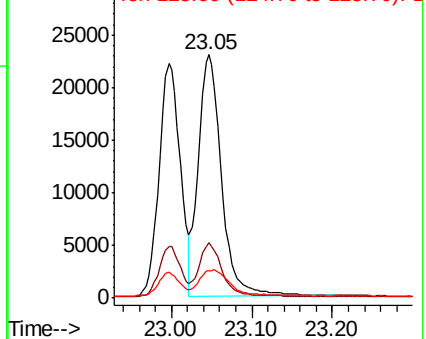


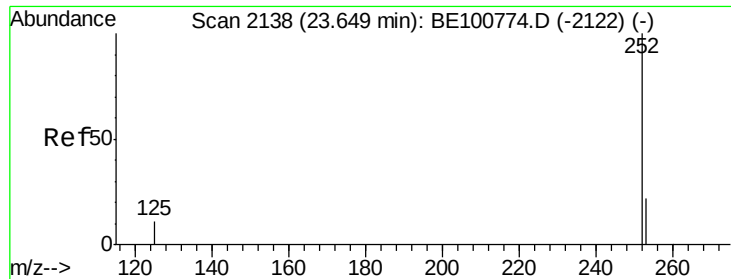
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.479 ng

RT: 23.63 min Scan# 2133

Delta R.T. -0.02 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS

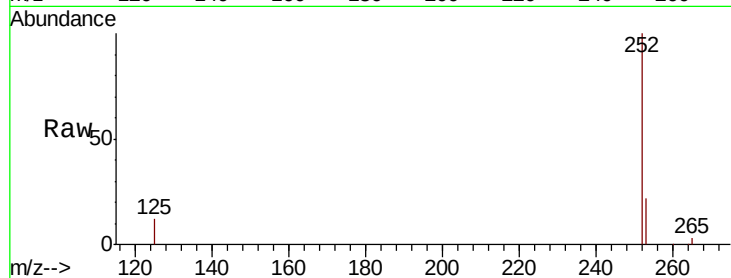
Tot Ion:252 Resp: 37306

Ion Ratio Lower Upper

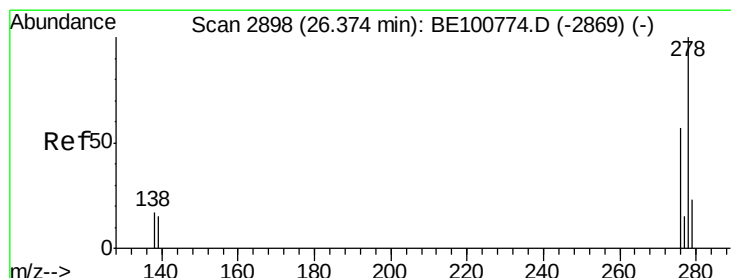
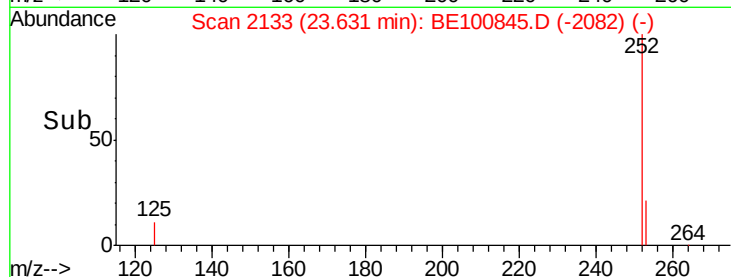
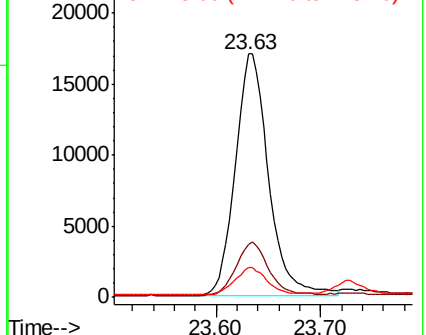
252 100

253 21.9 18.2 27.4

125 12.1 10.4 15.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.430 ng

RT: 26.35 min Scan# 2890

Delta R.T. -0.03 min

Lab File: BE100845.D

Acq: 11 Dec 2019 13:44

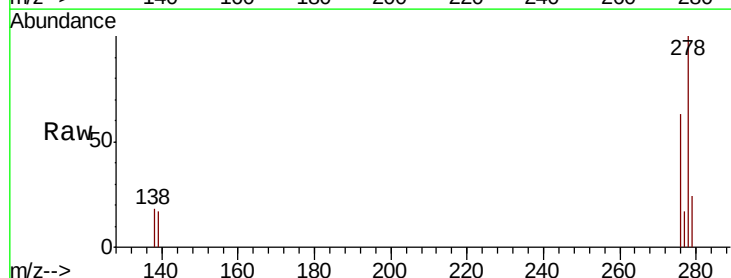
Tgt Ion:278 Resp: 33267

Ion Ratio Lower Upper

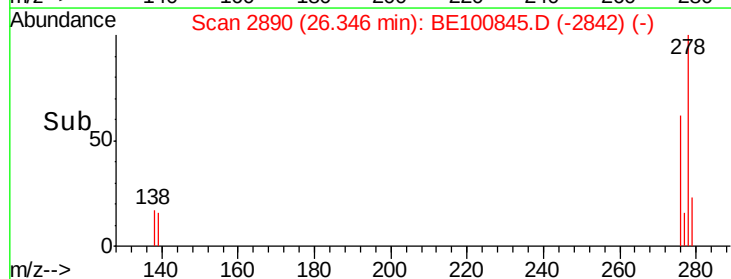
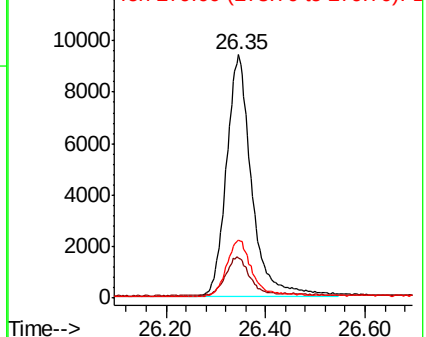
278 100

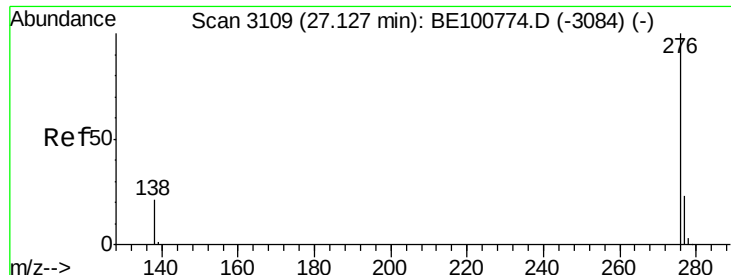
139 16.6 13.0 19.4

279 24.1 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.437 ng

RT: 27.10 min Scan# 3102

Delta R.T. -0.02 min

Lab File: BE100845.D

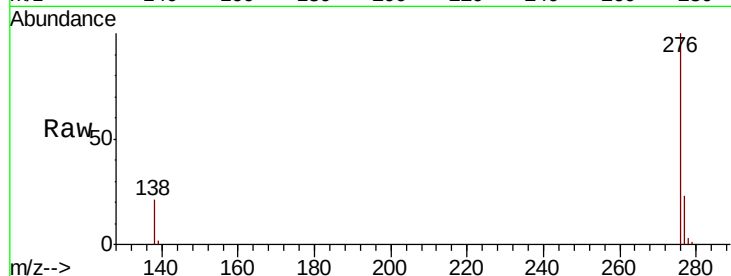
Acq: 11 Dec 2019 13:44

Instrument :

BNA_E

ClientSampleId :

RE131D2-20191205MS



Tot Ion: 276 Resp: 36215

Ion Ratio Lower Upper

276 100

277 23.0 19.3 28.9

138 21.4 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

