

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100916.D
 Acq On : 16 Dec 2019 11:39
 Operator : JU
 Sample : PB125411BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PB125411BS

Quant Time: Dec 16 14:24:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 13 10:42:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	5422	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	21608	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	10519	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	24472	0.40	ng	0.00
27) Chrysene-d12	21.29	240	22782	0.40	ng	-0.01
34) Perylene-d12	23.74	264	22841	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.35	112	4254	0.33	ng	-0.02
5) Phenol-d6	6.92	99	6363	0.33	ng	0.00
8) Nitrobenzene-d5	8.89	82	4564	0.44	ng	-0.01
11) 2-Methylnaphthalene-d10	12.12	152	10354	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	589	0.50	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	13227	0.32	ng	0.00
25) Fluoranthene-d10	19.15	212	87476	0.30	ng	0.00
29) Terphenyl-d14	19.75	244	17185	0.31	ng	0.00

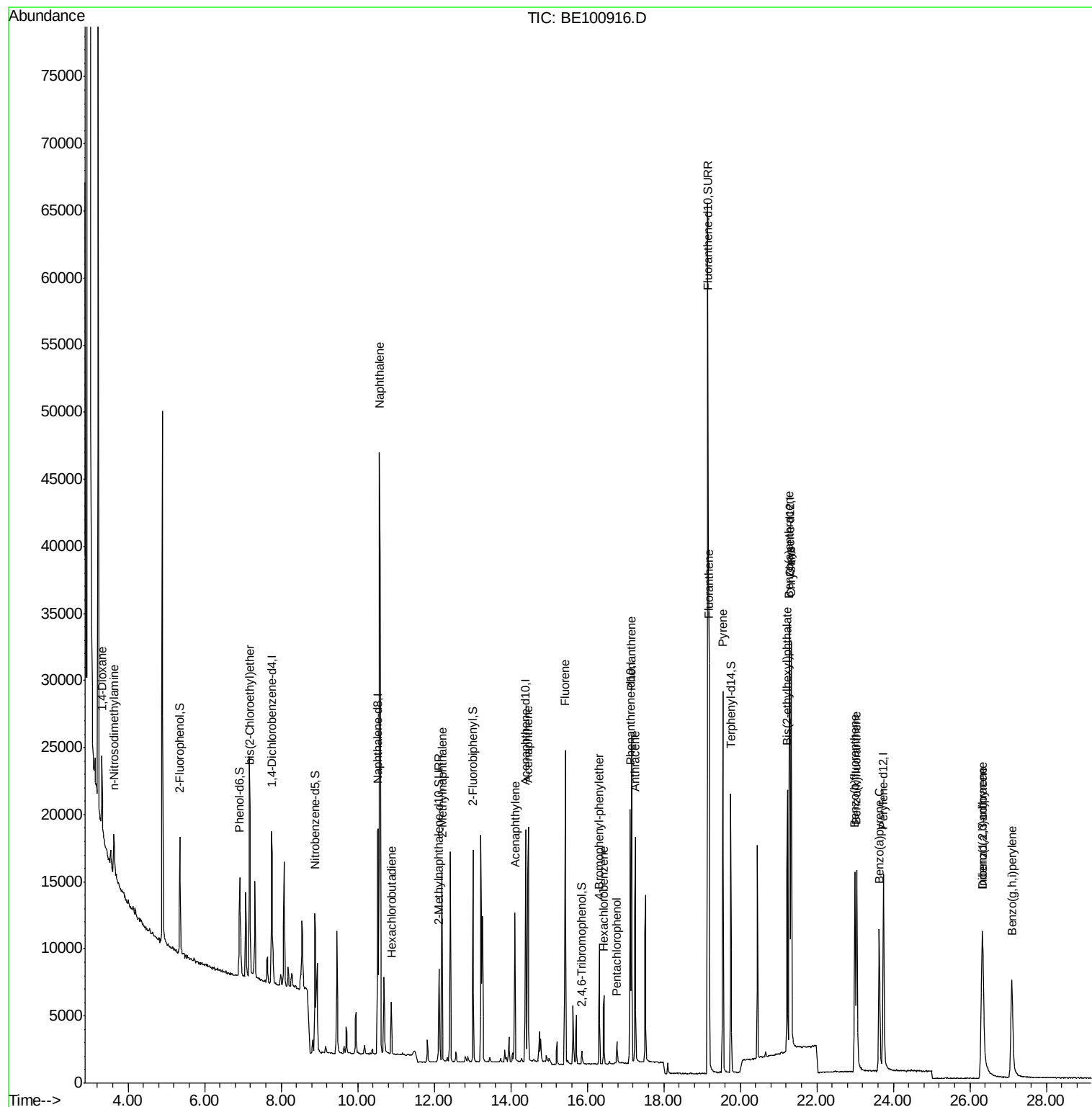
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	3364	0.340	ng	# 50
3) n-Nitrosodimethylamine	3.63	42	2741	0.341	ng	# 91
6) bis(2-Chloroethyl)ether	7.18	93	6144	0.327	ng	98
9) Naphthalene	10.57	128	75922	0.331	ng	100
10) Hexachlorobutadiene	10.89	225	2917	0.326	ng	97
12) 2-Methylnaphthalene	12.21	142	11390	0.318	ng	100
16) Acenaphthylene	14.11	152	14210	0.327	ng	99
17) Acenaphthene	14.46	154	9781	0.326	ng	99
18) Fluorene	15.42	166	12275	0.317	ng	98
20) 4-Bromophenyl-phenylether	16.32	248	3505	0.292	ng	96
21) Hexachlorobenzene	16.44	284	3939	0.302	ng	99
22) Pentachlorophenol	16.77	266	969	1.074	ng	98
23) Phenanthrene	17.16	178	23916	0.323	ng	99
24) Anthracene	17.25	178	19078	0.308	ng	100
26) Fluoranthene	19.18	202	26557	0.300	ng	100
28) Pyrene	19.54	202	26787	0.362	ng	100
30) Benzo(a)anthracene	21.28	228	22227	0.331	ng	99
31) Chrysene	21.33	228	27942	0.354	ng	99
32) Bis(2-ethylhexyl)phthalate	21.23	149	20855	0.442	ng	99
33) Indeno(1,2,3-cd)pyrene	26.32	276	20781	0.302	ng	99
35) Benzo(b)fluoranthene	23.00	252	21395	0.342	ng	99
36) Benzo(k)fluoranthene	23.04	252	24915	0.355	ng	99
37) Benzo(a)pyrene	23.63	252	18650	0.344	ng	99
38) Dibenzo(a,h)anthracene	26.34	278	16765	0.311	ng	100
39) Benzo(g,h,i)perylene	27.10	276	19605	0.340	ng	99

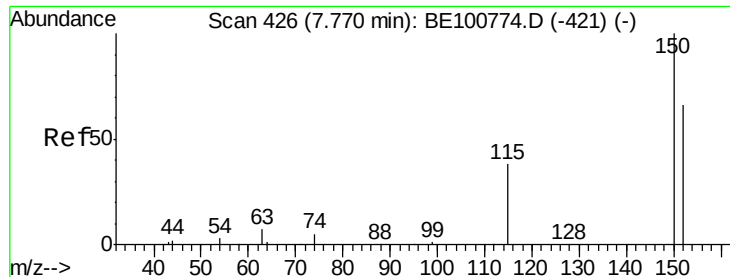
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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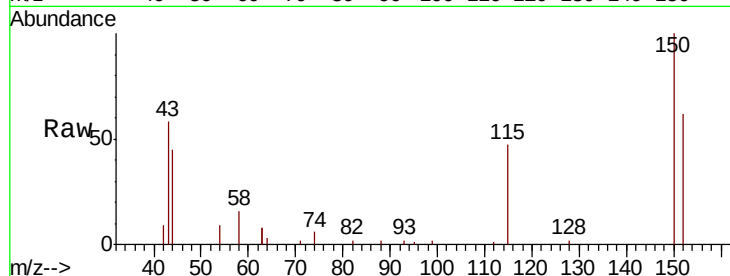


#1

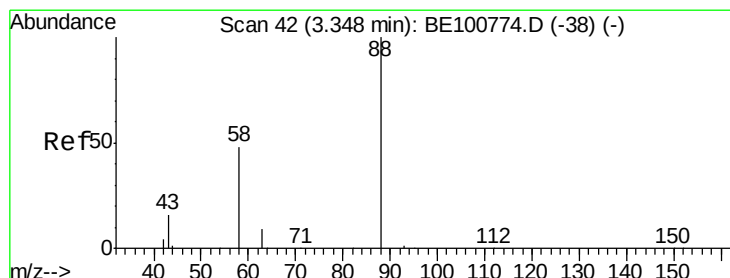
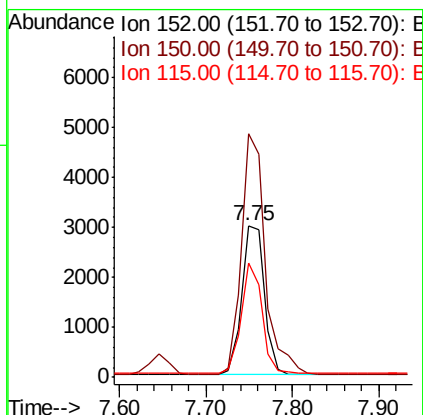
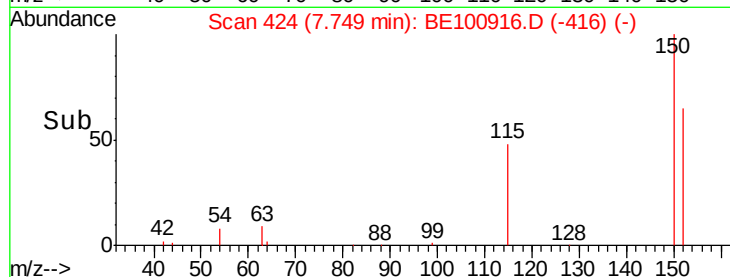
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 424
Delta R.T. -0.01 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

Instrument :
BNA_E
ClientSampleId :
PB125411BS

Tot Ion:152 Resp: 5422
Ion Ratio Lower Upper
152 100
150 160.6 125.5 188.3
115 75.6 55.7 83.5



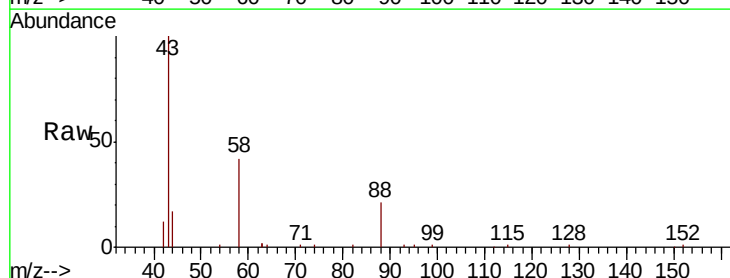
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



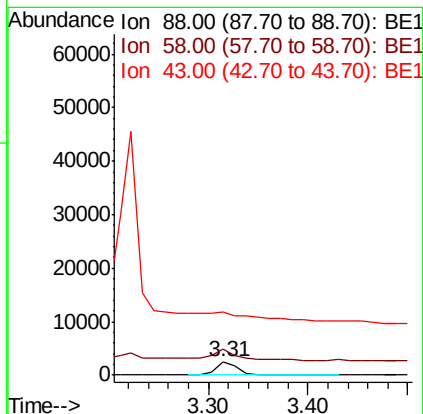
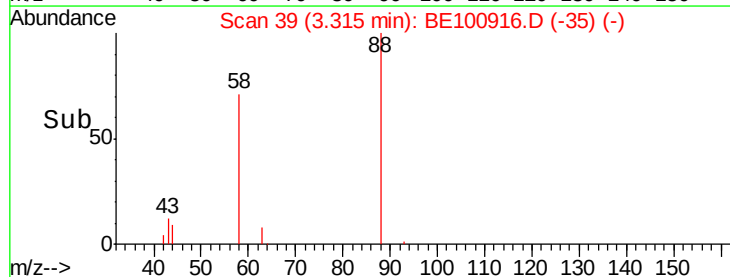
#2

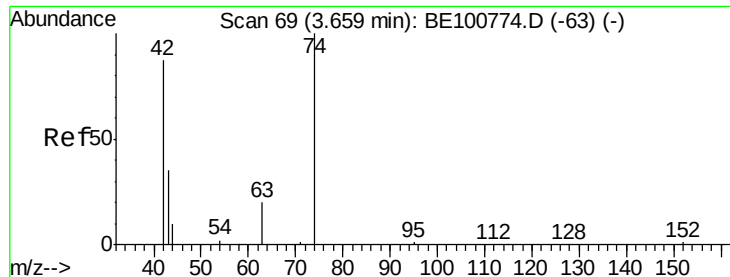
1,4-Dioxane
Concen: 0.340 ng
RT: 3.31 min Scan# 39
Delta R.T. -0.02 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

Tgt Ion: 88 Resp: 3364
Ion Ratio Lower Upper
88 100
58 103.5 52.3 78.5#
43 0.0 23.5 35.3#



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: 0.341 ng

RT: 3.63 min Scan# 66

Delta R.T. -0.02 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

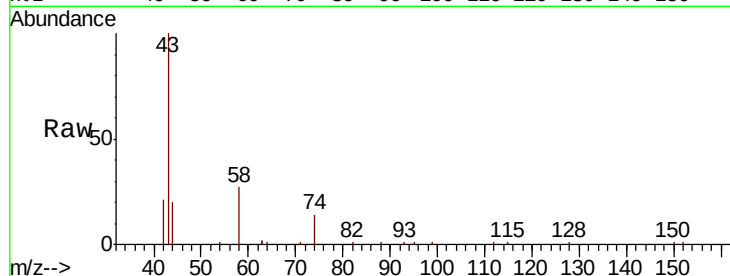
Tot Ion: 42 Resp: 2741

Ion Ratio Lower Upper

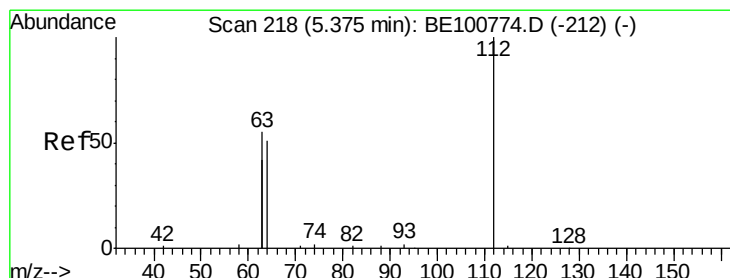
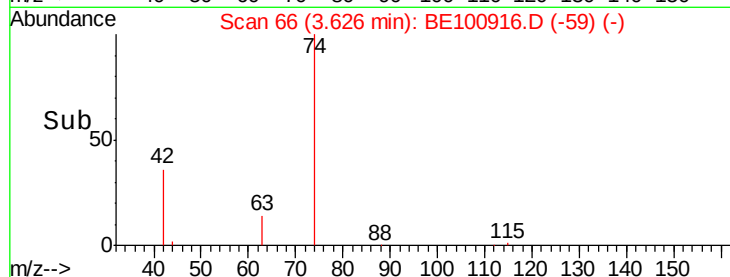
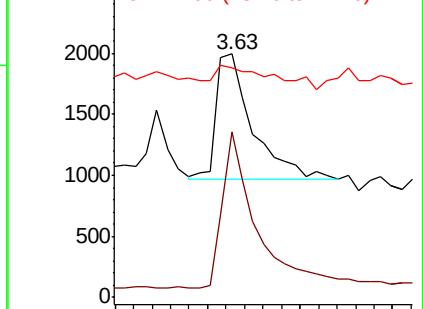
42 100

74 118.7 90.3 135.5

44 29.2 9.0 13.4#



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



#4

2-Fluorophenol

Concen: 0.331 ng

RT: 5.35 min Scan# 216

Delta R.T. -0.02 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

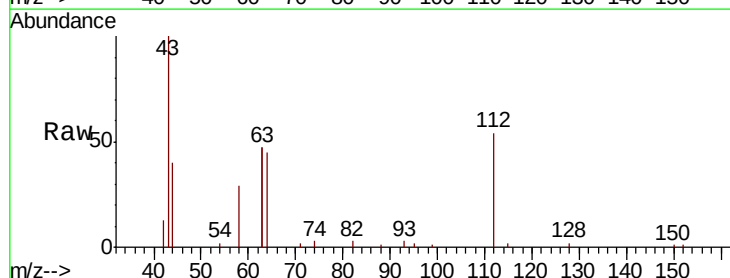
Tgt Ion: 112 Resp: 4254

Ion Ratio Lower Upper

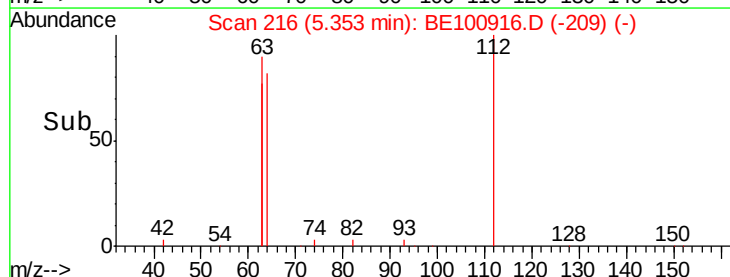
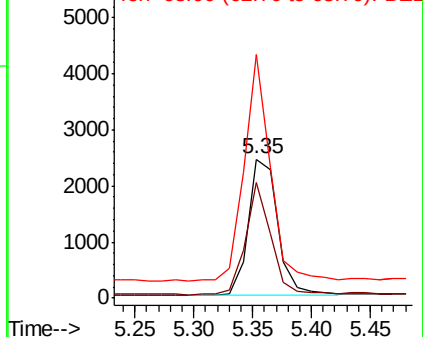
112 100

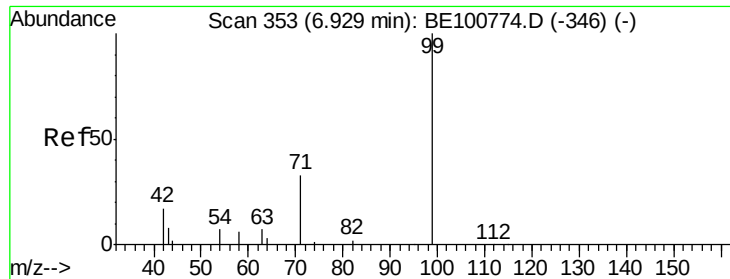
64 69.8 54.5 81.7

63 145.1 116.1 174.1



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: 0.328 ng

RT: 6.92 min Scan# 352

Delta R.T. -0.01 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

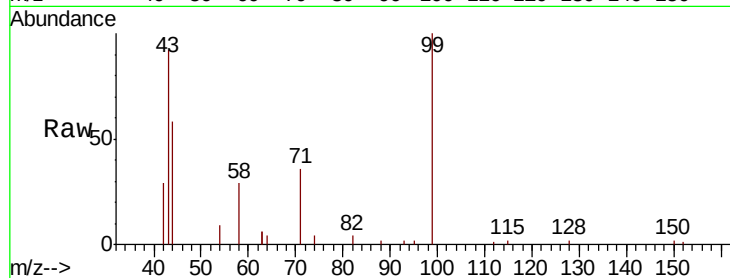
Tot Ion: 99 Resp: 6363

Ion Ratio Lower Upper

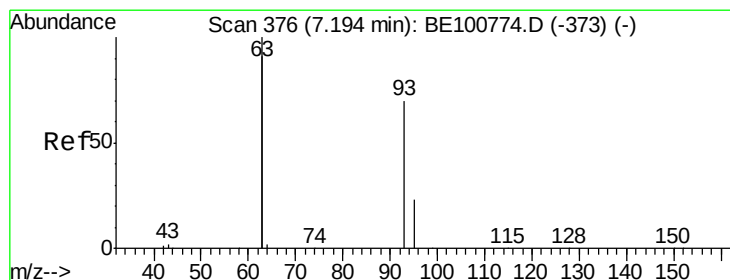
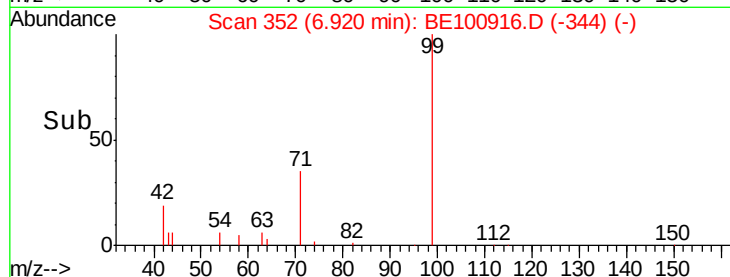
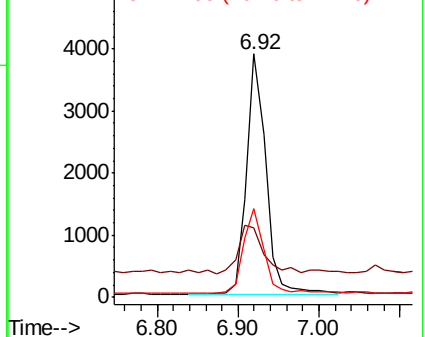
99 100

42 27.0 18.2 27.2

71 36.9 29.1 43.7



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: 0.327 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

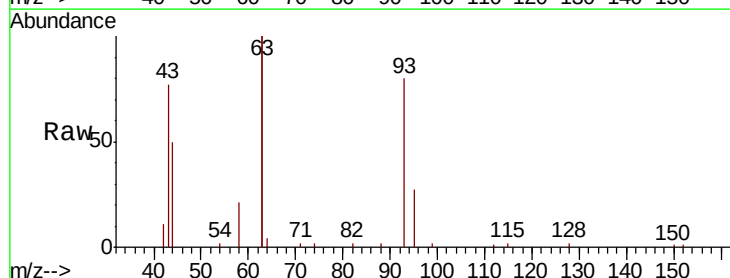
Tgt Ion: 93 Resp: 6144

Ion Ratio Lower Upper

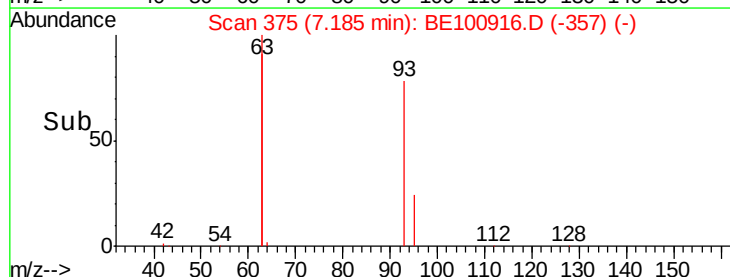
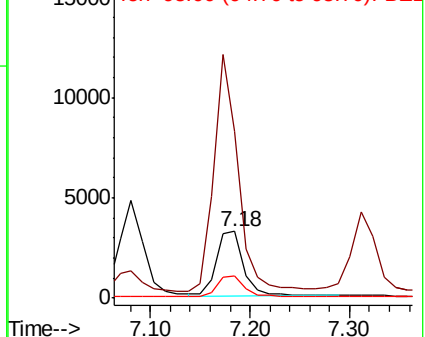
93 100

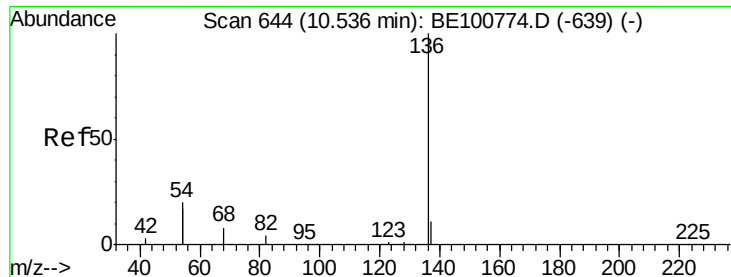
63 321.8 253.9 380.9

95 32.3 25.0 37.6



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: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

Tot Ion:136 Resp: 21608

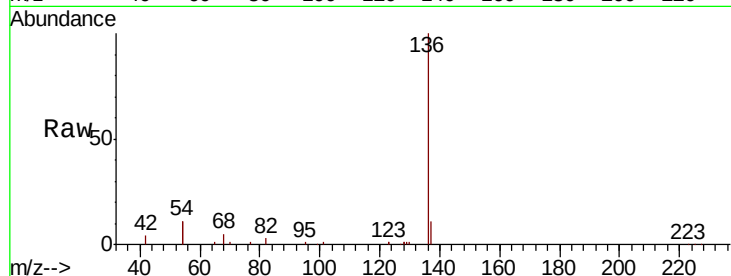
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 21.1 18.9 28.3

68 4.7 4.6 6.8

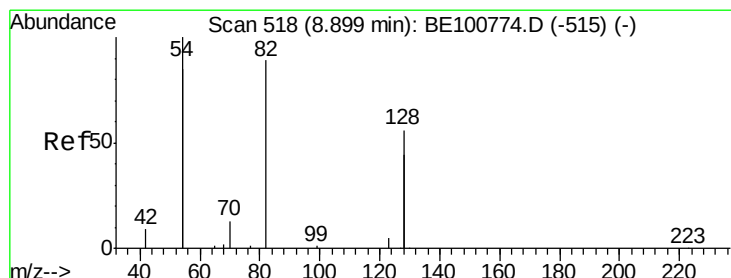
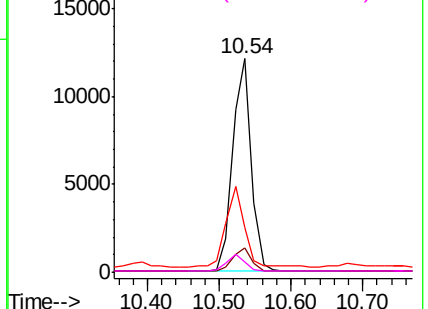
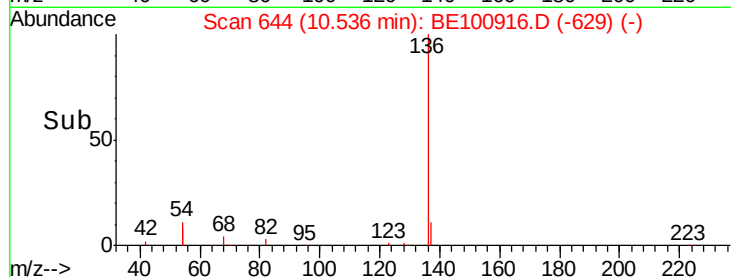


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.444 ng

RT: 8.89 min Scan# 517

Delta R.T. -0.01 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

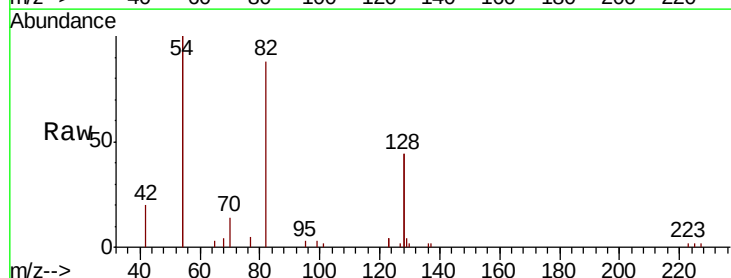
Tgt Ion: 82 Resp: 4564

Ion Ratio Lower Upper

82 100

128 100.7 113.5 170.3#

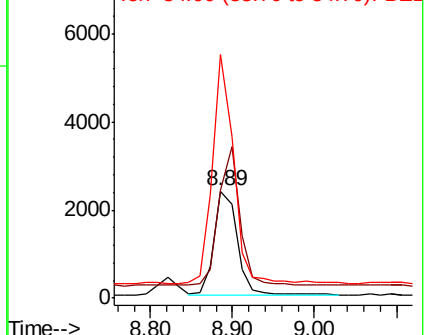
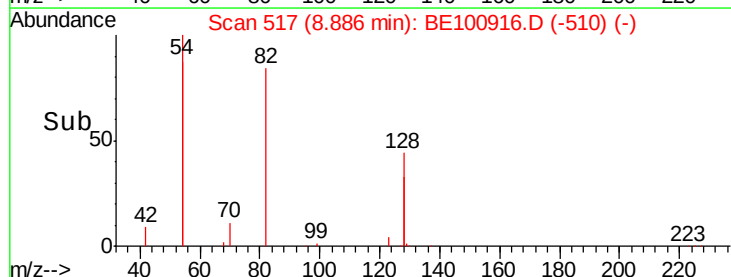
54 228.1 138.9 208.3#

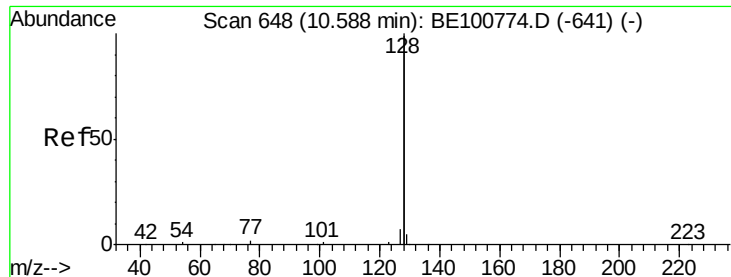


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.331 ng

RT: 10.57 min Scan# 647

Delta R.T. -0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

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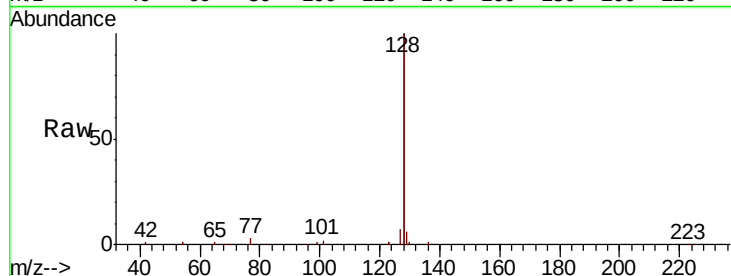
Tot Ion:128 Resp: 75922

Ion Ratio Lower Upper

128 100

129 2.8 2.2 3.4

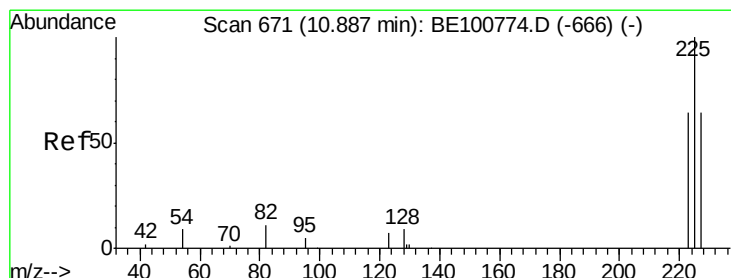
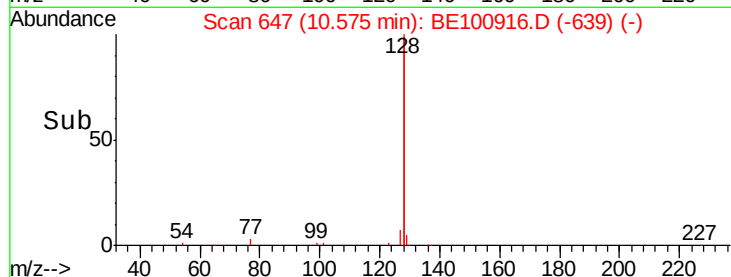
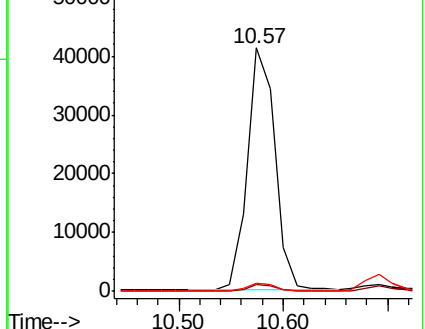
127 3.6 2.8 4.2



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: 0.326 ng

RT: 10.89 min Scan# 671

Delta R.T. -0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

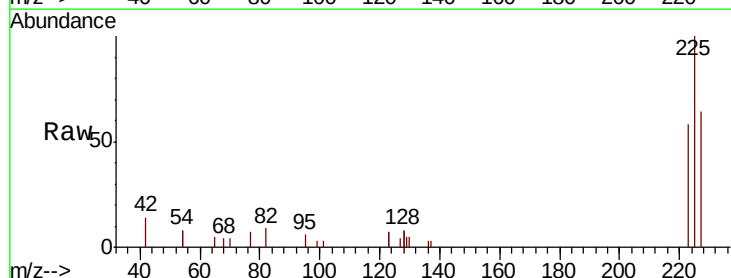
Tgt Ion:225 Resp: 2917

Ion Ratio Lower Upper

225 100

223 62.3 52.1 78.1

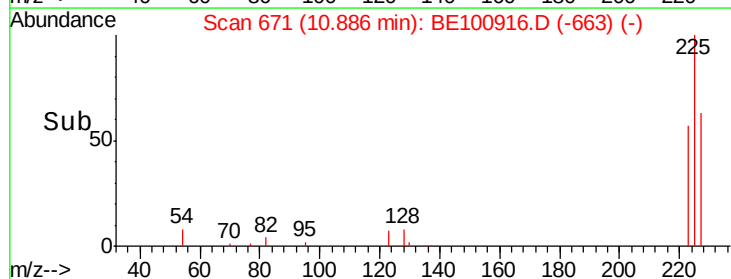
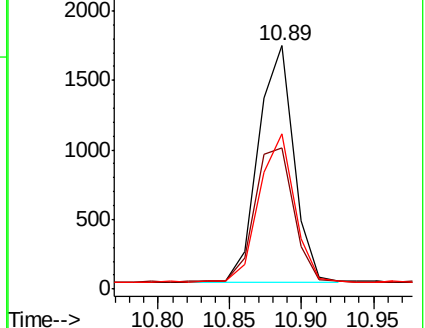
227 62.0 51.1 76.7

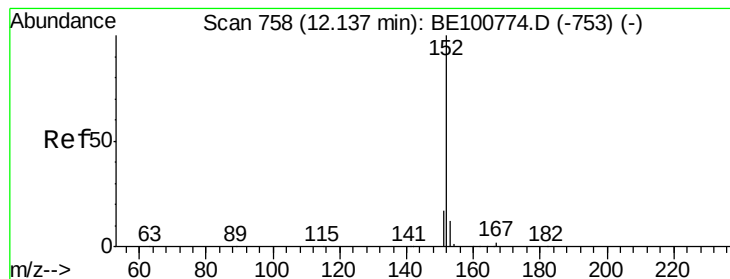


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.331 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

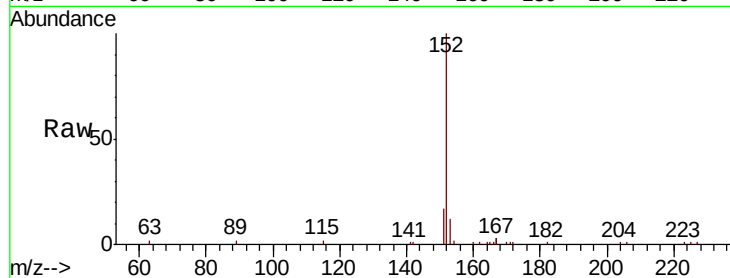
PB125411BS

Tot Ion:152 Resp: 10354

Ion Ratio Lower Upper

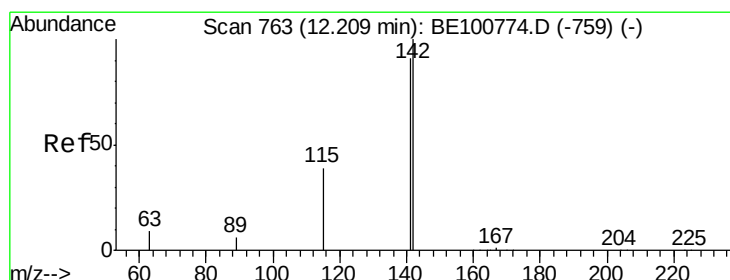
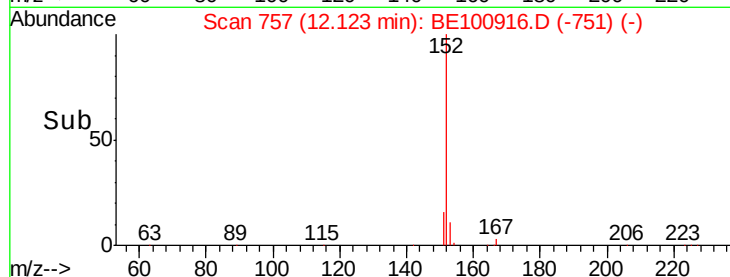
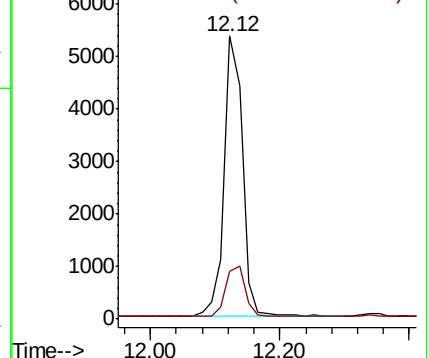
152 100

151 19.6 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.318 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

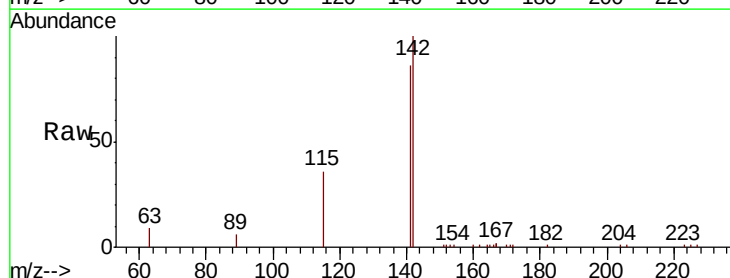
Tgt Ion:142 Resp: 11390

Ion Ratio Lower Upper

142 100

141 86.5 68.9 103.3

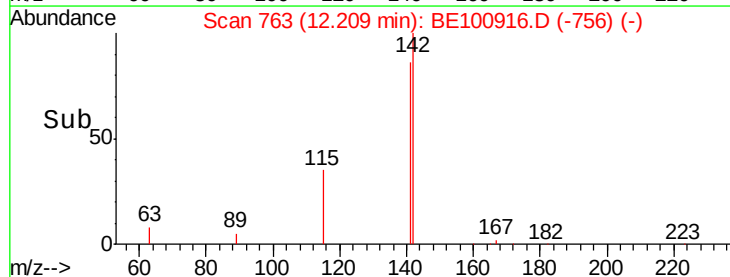
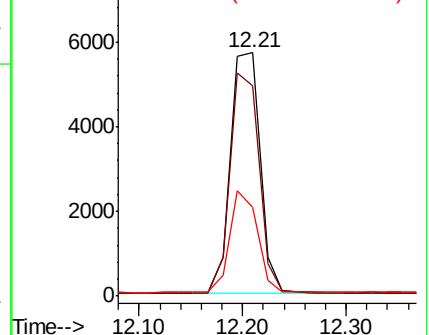
115 36.5 29.5 44.3

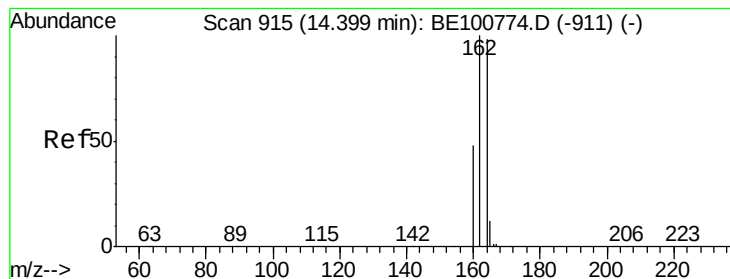


Abundance Ion 142.00 (141.70 to 142.70): E

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: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

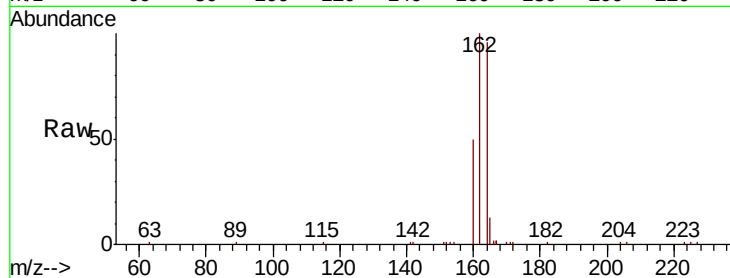
Tot Ion:164 Resp: 10519

Ion Ratio Lower Upper

164 100

162 103.8 86.0 129.0

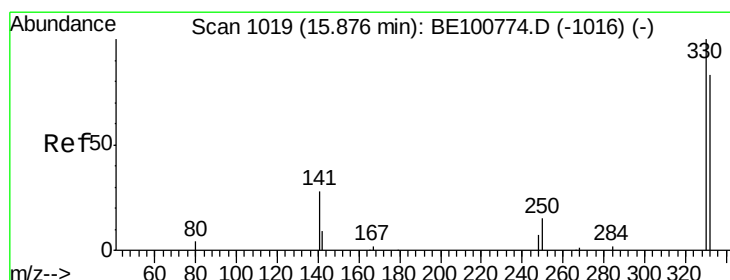
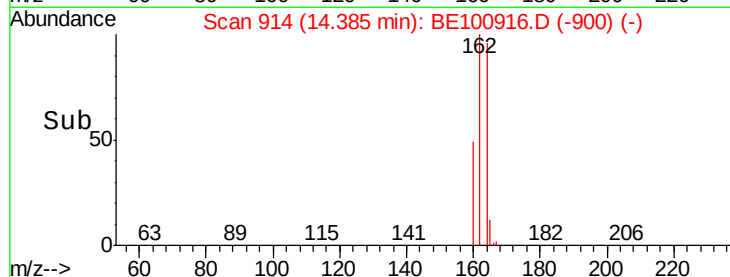
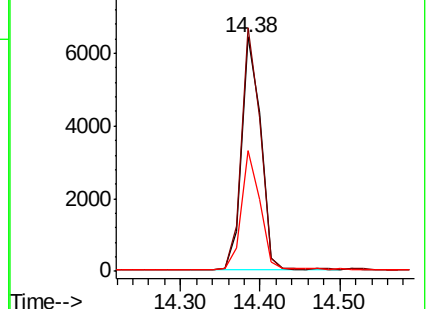
160 51.7 42.3 63.5



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: 0.503 ng

RT: 15.86 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

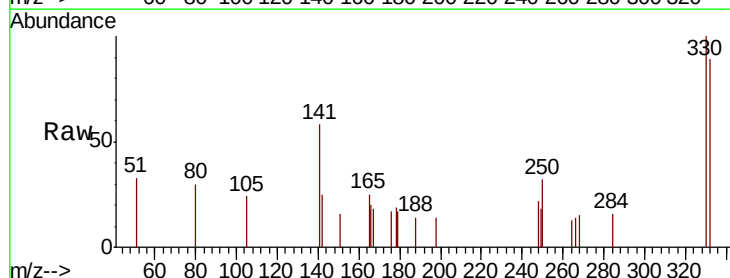
Tgt Ion:330 Resp: 589

Ion Ratio Lower Upper

330 100

332 90.7 74.1 111.1

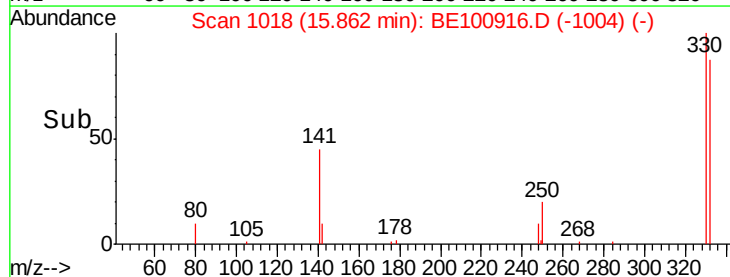
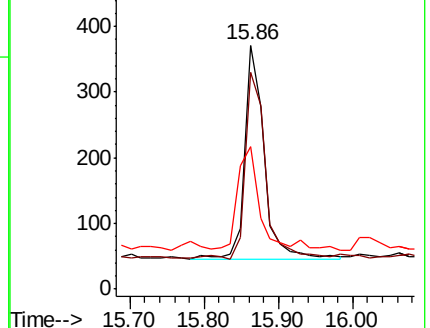
141 49.1 46.7 70.1

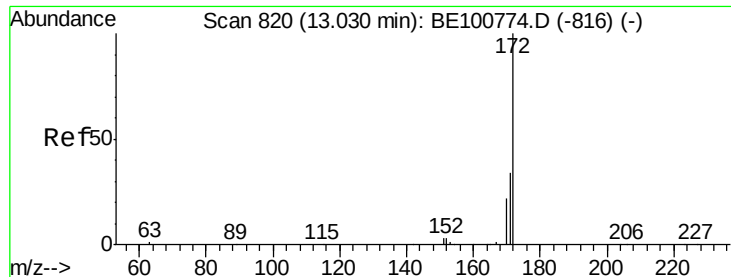


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

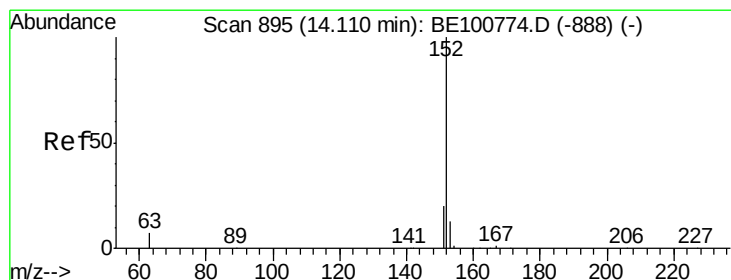
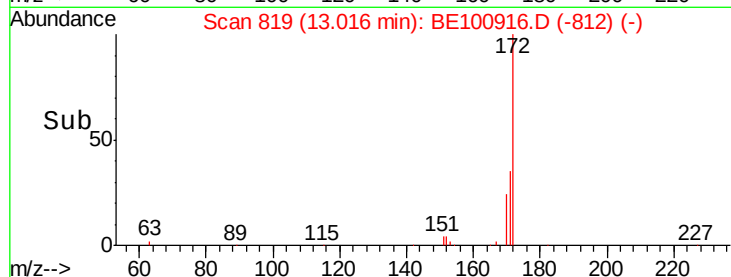
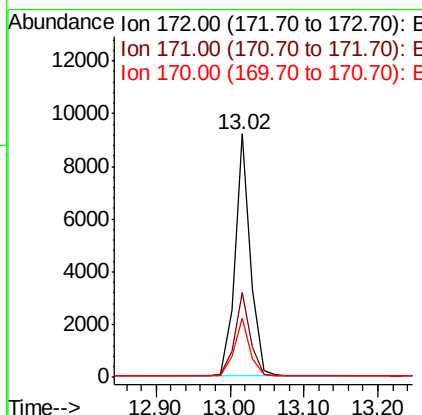
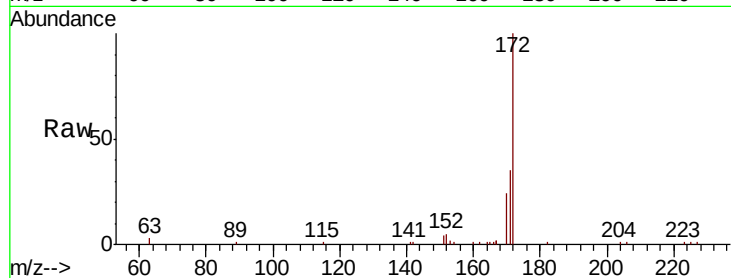




#15
2-Fluorobiphenyl
Concen: 0.317 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

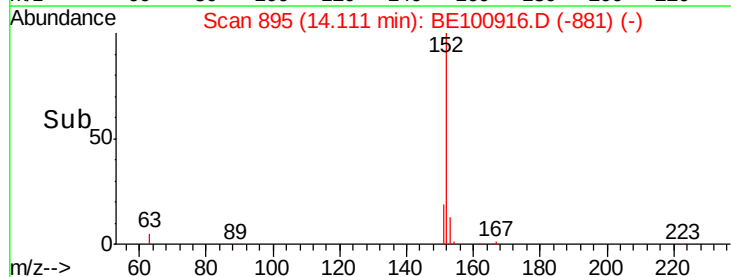
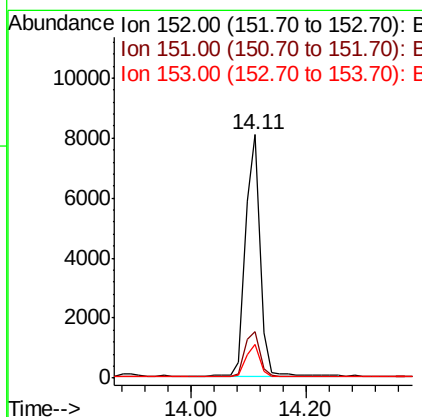
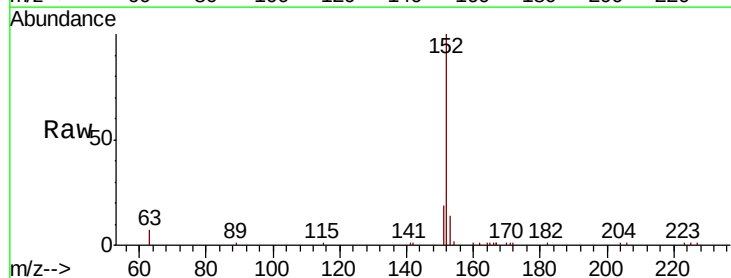
Instrument :
BNA_E
ClientSampleId :
PB125411BS

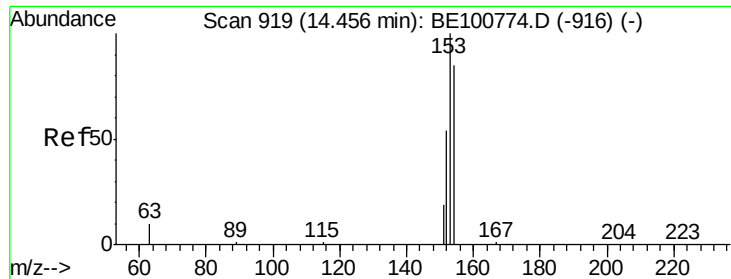
Tot Ion:172 Resp: 13227
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.4
170 24.2 19.4 29.0



#16
Acenaphthylene
Concen: 0.327 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

Tgt Ion:152 Resp: 14210
Ion Ratio Lower Upper
152 100
151 19.6 15.9 23.9
153 12.8 10.5 15.7

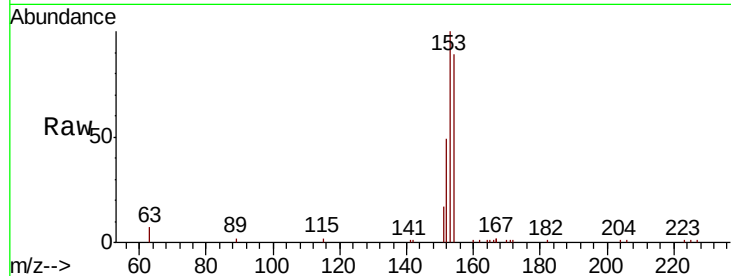




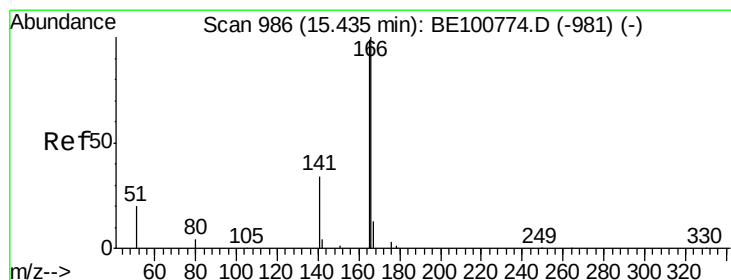
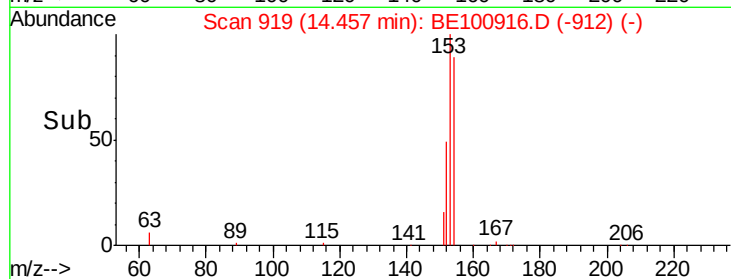
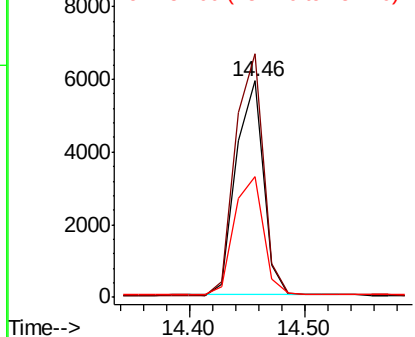
#17
Acenaphthene
Concen: 0.326 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

Instrument :
BNA_E
ClientSampleId :
PB125411BS

Tot Ion:154 Resp: 9781
Ion Ratio Lower Upper
154 100
153 114.9 91.5 137.3
152 59.1 47.7 71.5

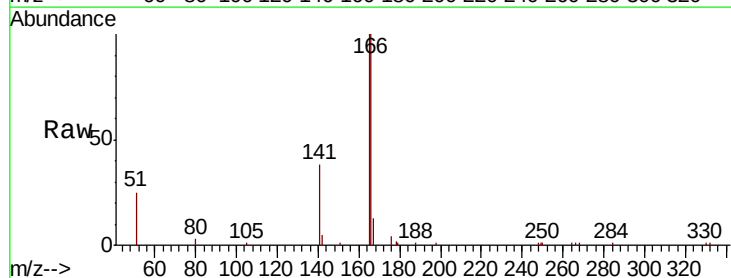


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

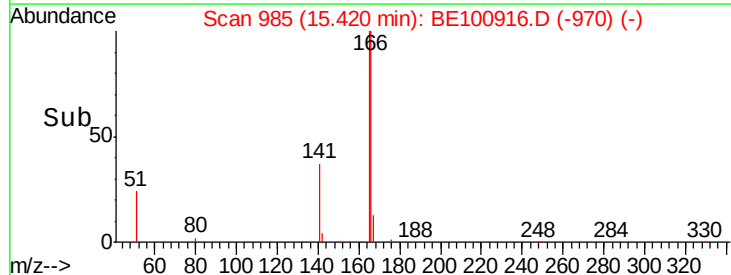
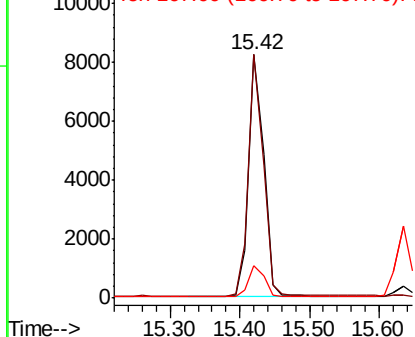


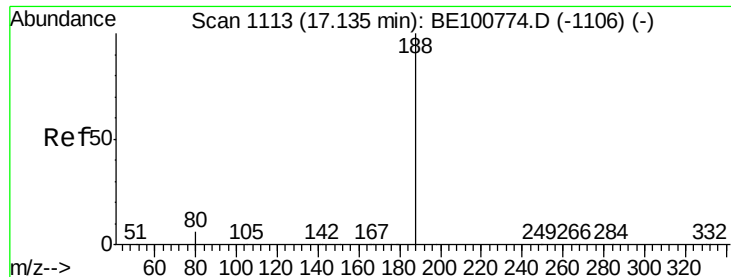
#18
Fluorene
Concen: 0.317 ng
RT: 15.42 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

Tgt Ion:166 Resp: 12275
Ion Ratio Lower Upper
166 100
165 98.3 80.2 120.4
167 13.3 10.6 16.0



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. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

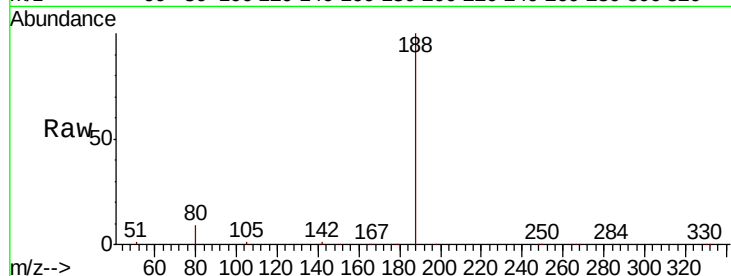
Tot Ion:188 Resp: 24472

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

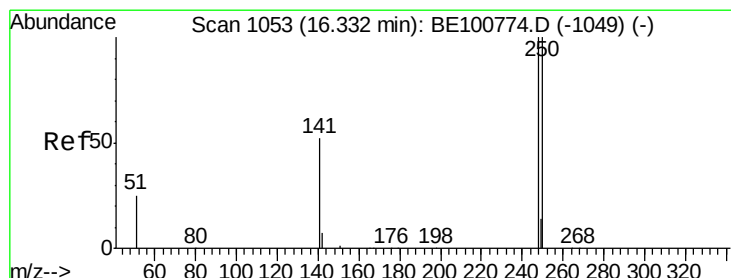
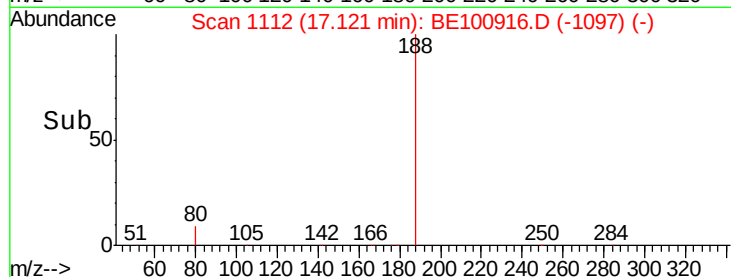
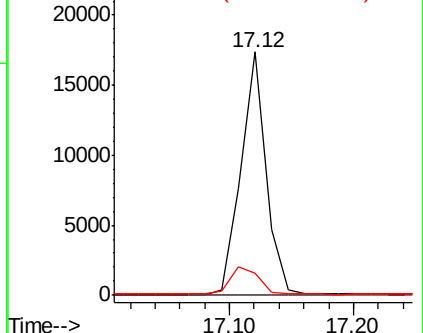
80 9.1 7.9 11.9



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: 0.292 ng

RT: 16.32 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

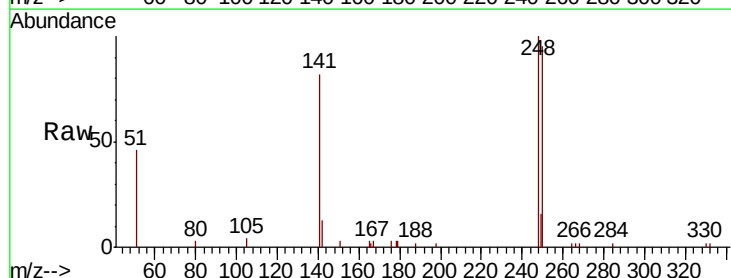
Tgt Ion:248 Resp: 3505

Ion Ratio Lower Upper

248 100

250 94.9 72.4 108.6

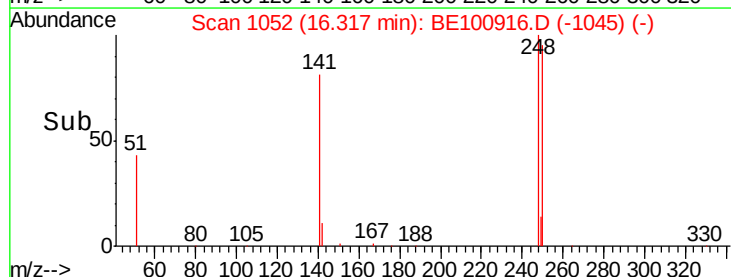
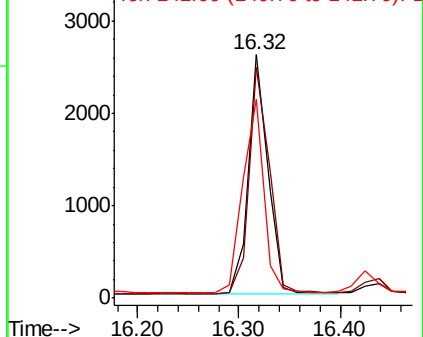
141 81.7 68.2 102.2

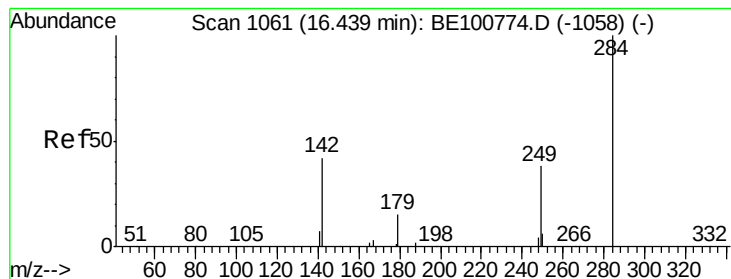


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.302 ng

RT: 16.44 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

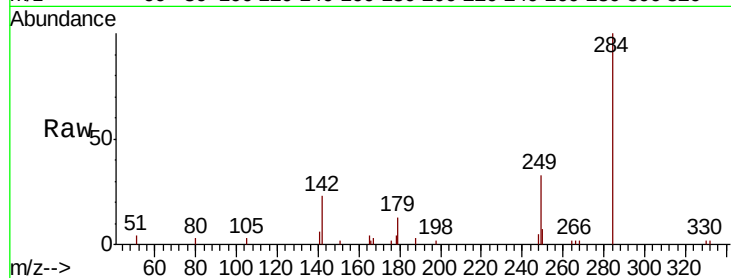
Tot Ion:284 Resp: 3939

Ion Ratio Lower Upper

284 100

142 45.0 35.0 52.4

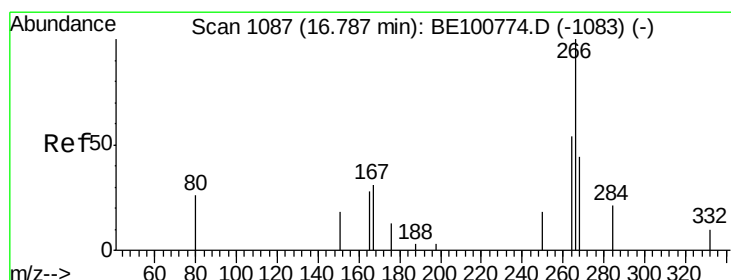
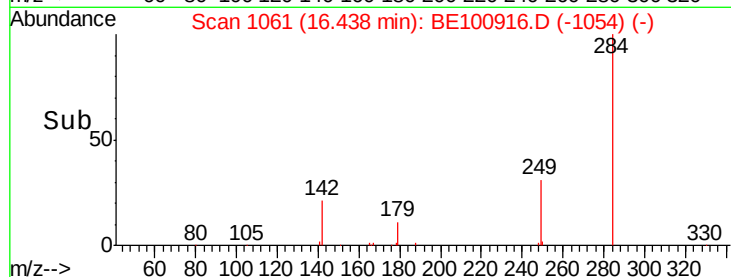
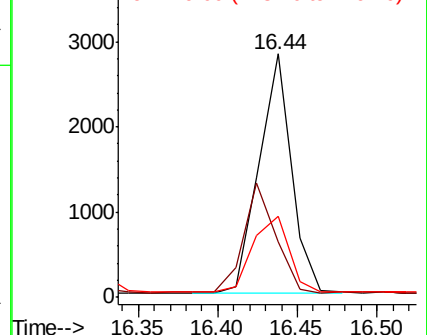
249 35.6 28.1 42.1



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: 1.074 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

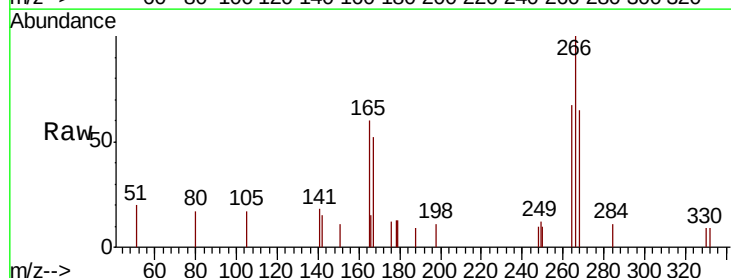
Tgt Ion:266 Resp: 969

Ion Ratio Lower Upper

266 100

264 66.5 55.1 82.7

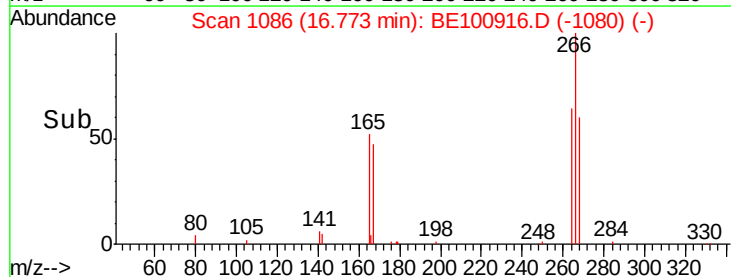
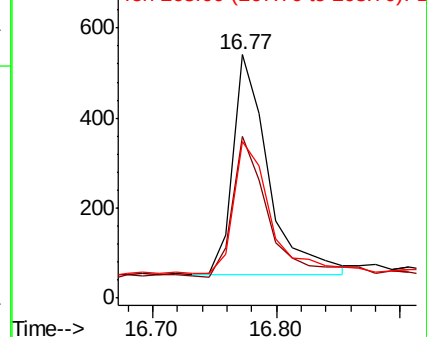
268 64.5 50.7 76.1

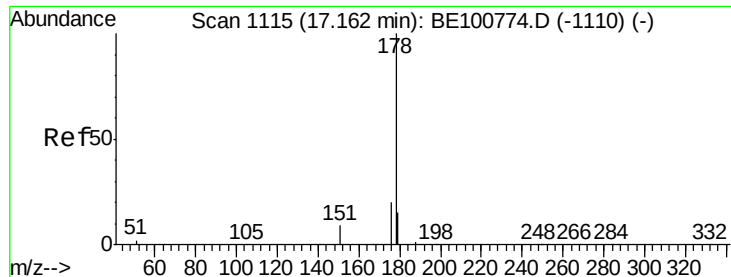


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.323 ng

RT: 17.16 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

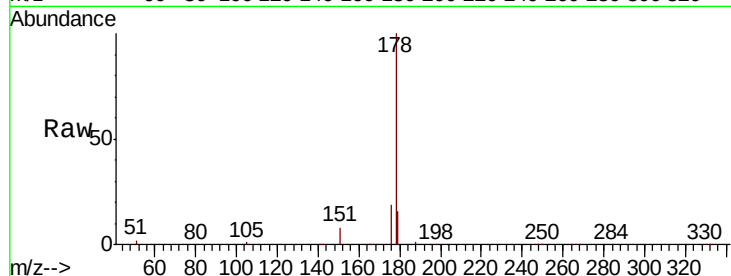
Tot Ion:178 Resp: 23916

Ion Ratio Lower Upper

178 100

176 18.9 15.6 23.4

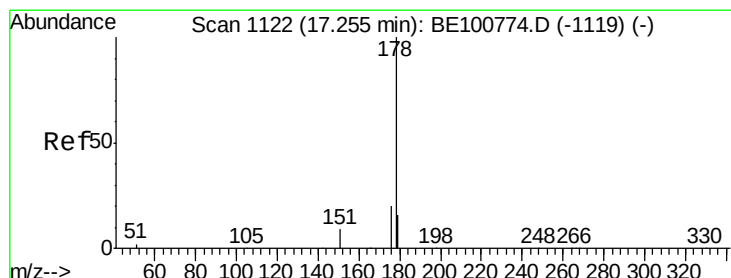
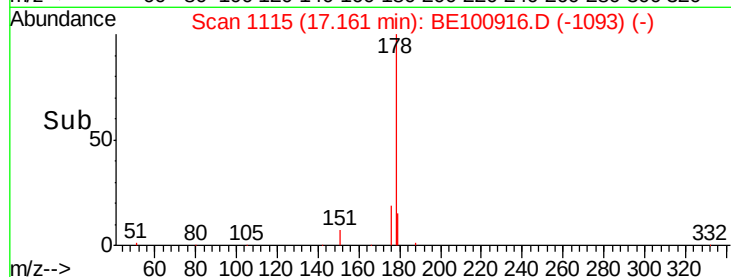
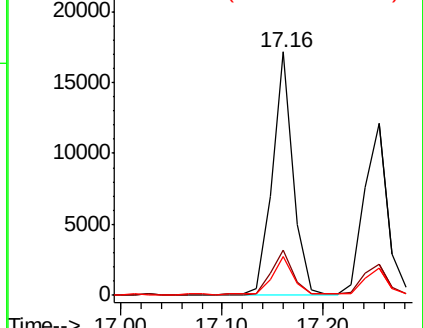
179 15.6 11.9 17.9



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: 0.308 ng

RT: 17.25 min Scan# 1122

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

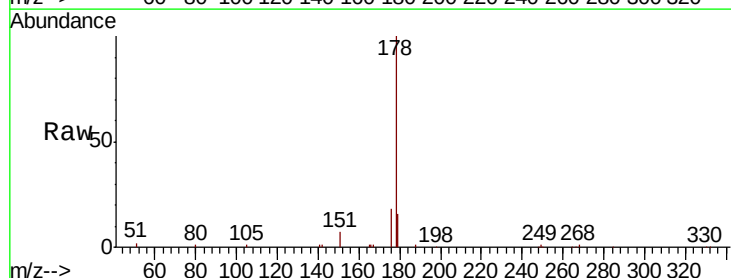
Tgt Ion:178 Resp: 19078

Ion Ratio Lower Upper

178 100

176 18.5 14.7 22.1

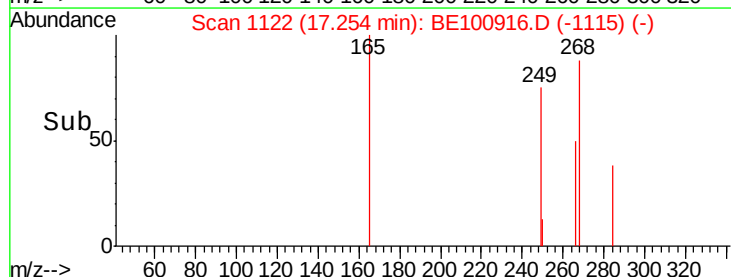
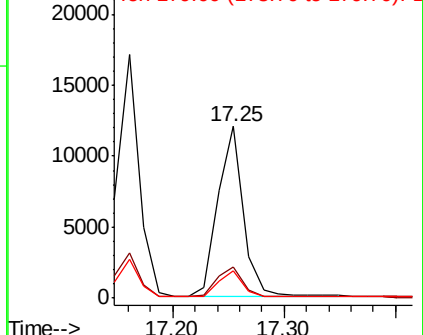
179 15.0 12.2 18.4

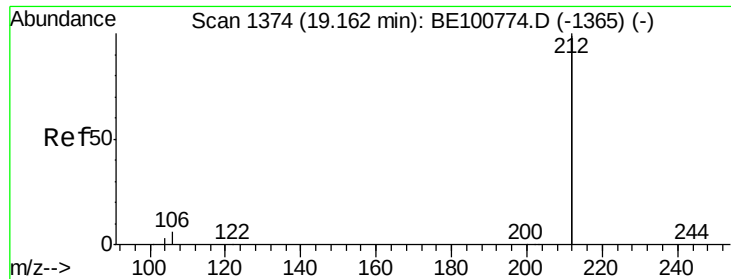


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

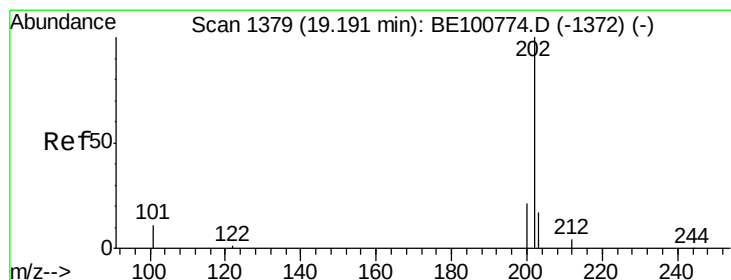
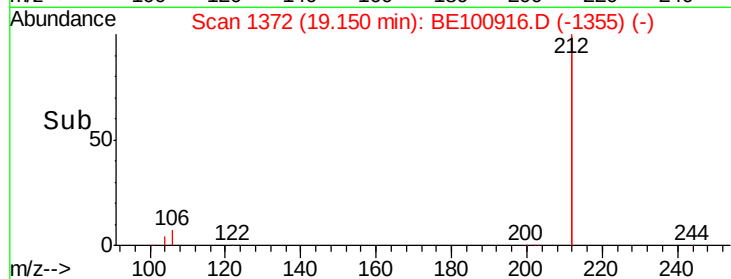
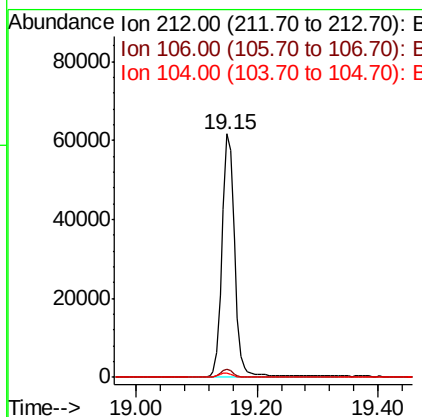
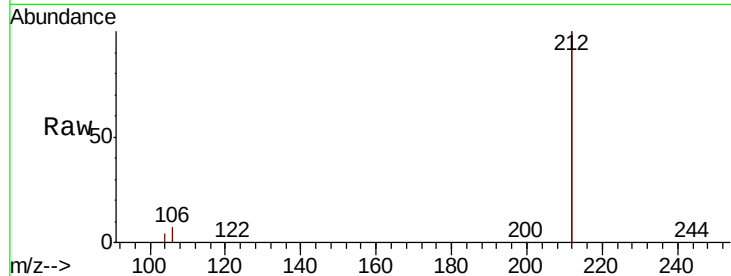




#25
 Fluoranthene-d10
 Concen: 0.302 ng
 RT: 19.15 min Scan# 1372
 Delta R.T. 0.00 min
 Lab File: BE100916.D
 Acq: 16 Dec 2019 11:39

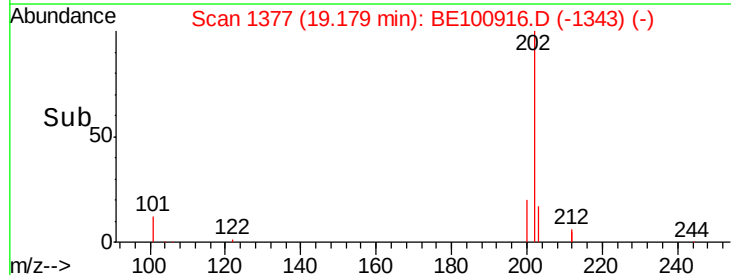
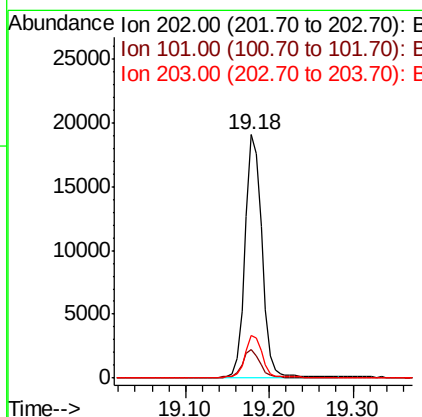
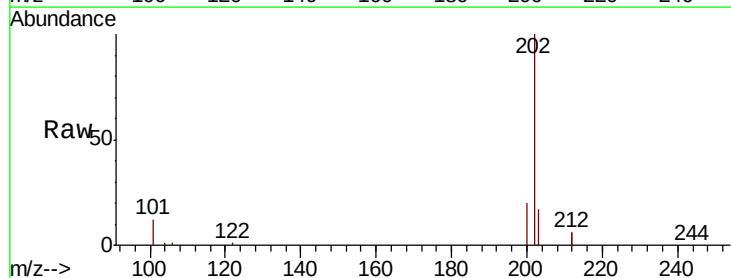
Instrument :
 BNA_E
 ClientSampleId :
 PB125411BS

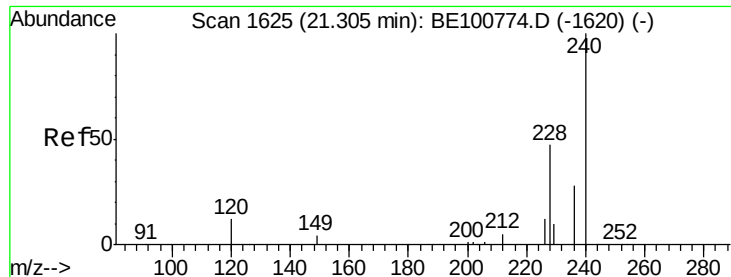
Tot Ion:212 Resp: 87476
 Ion Ratio Lower Upper
 212 100
 106 3.3 2.6 4.0
 104 1.8 1.4 2.2



#26
 Fluoranthene
 Concen: 0.300 ng
 RT: 19.18 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: BE100916.D
 Acq: 16 Dec 2019 11:39

Tgt Ion:202 Resp: 26557
 Ion Ratio Lower Upper
 202 100
 101 11.7 9.4 14.0
 203 17.2 13.7 20.5

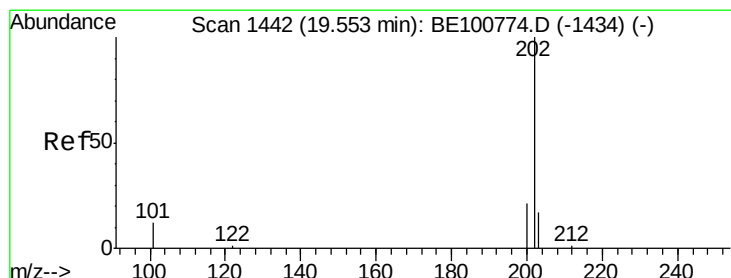
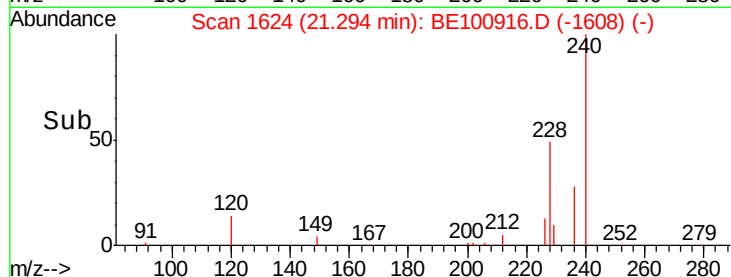
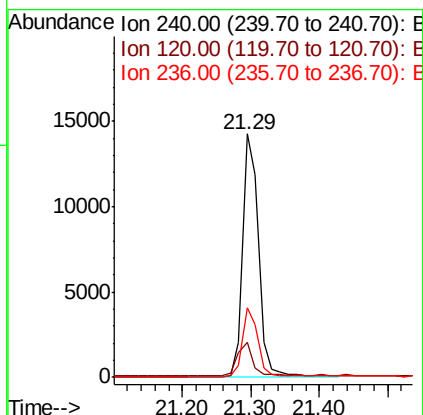
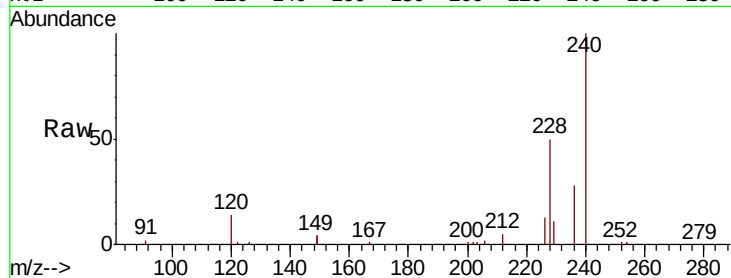




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

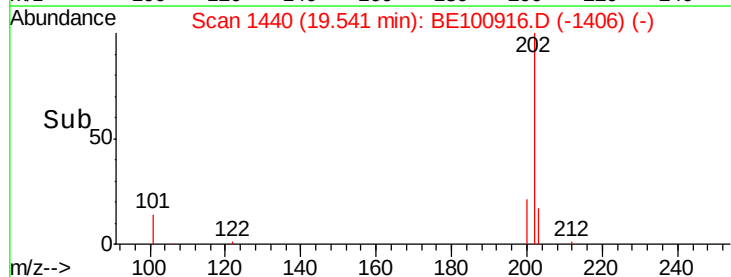
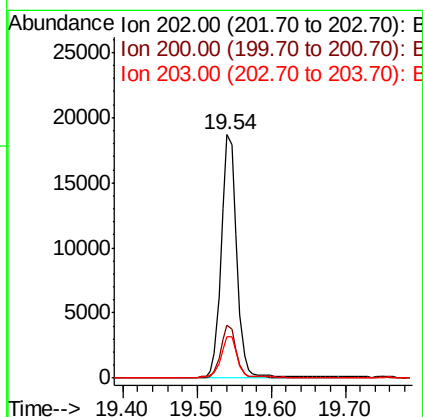
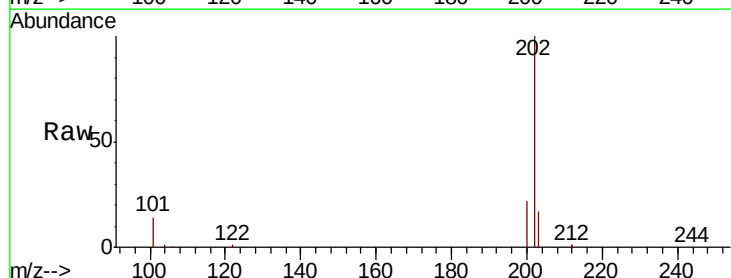
Instrument :
BNA_E
ClientSampleId :
PB125411BS

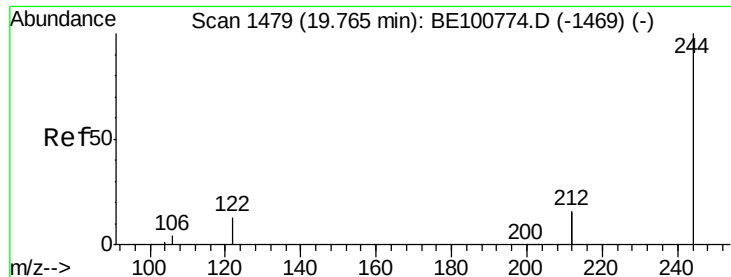
Tot Ion:240 Resp: 22782
Ion Ratio Lower Upper
240 100
120 14.3 4.0 6.0#
236 28.3 21.6 32.4



#28
Pyrene
Concen: 0.362 ng
RT: 19.54 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BE100916.D
Acq: 16 Dec 2019 11:39

Tgt Ion:202 Resp: 26787
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 17.5 13.8 20.8





#29

Terphenyl-d14

Concen: 0.315 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

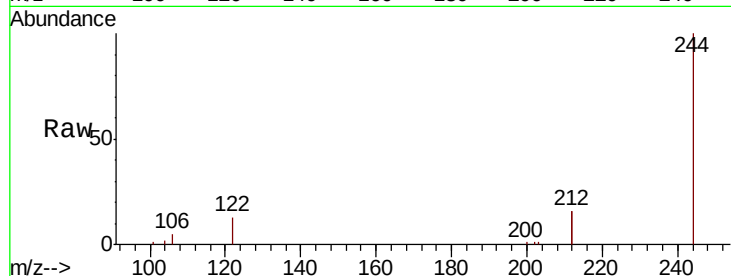
Tot Ion:244 Resp: 17185

Ion Ratio Lower Upper

244 100

212 32.1 25.2 37.8

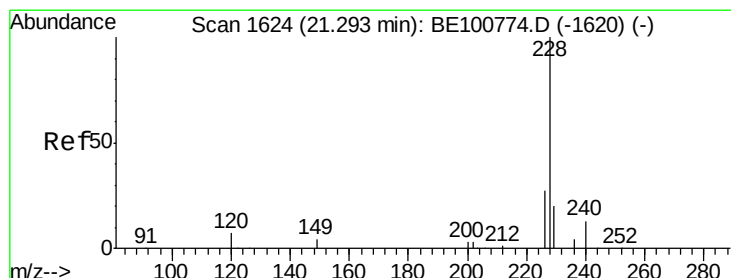
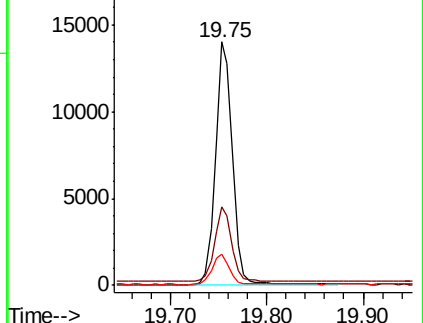
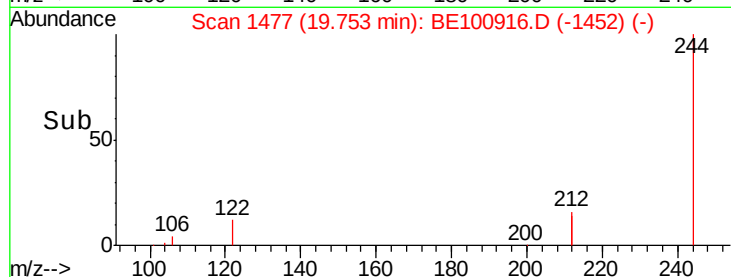
122 12.7 8.9 13.3



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: 0.331 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

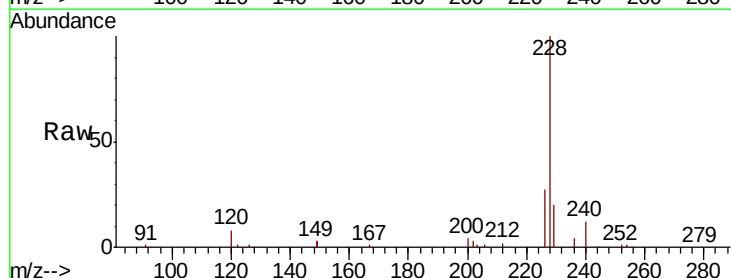
Tgt Ion:228 Resp: 22227

Ion Ratio Lower Upper

228 100

226 27.2 21.4 32.0

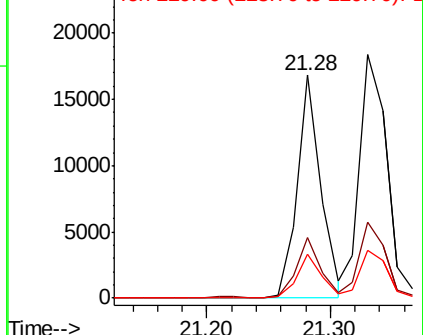
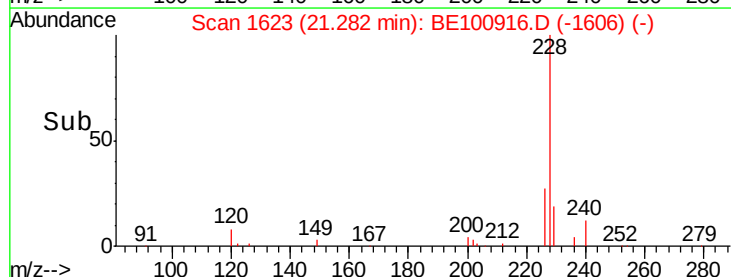
229 19.8 15.8 23.6

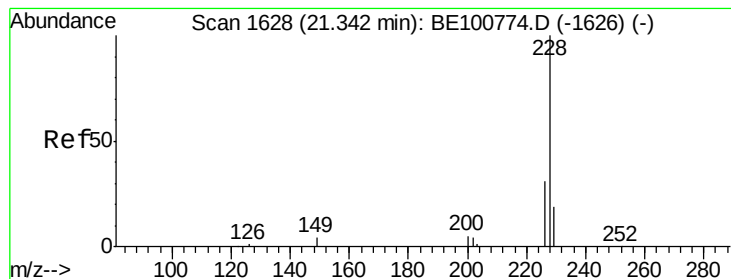


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.354 ng

RT: 21.33 min Scan# 1627

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

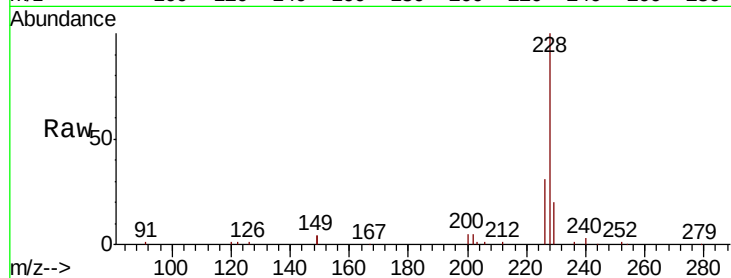
Tot Ion:228 Resp: 27942

Ion Ratio Lower Upper

228 100

226 31.1 25.3 37.9

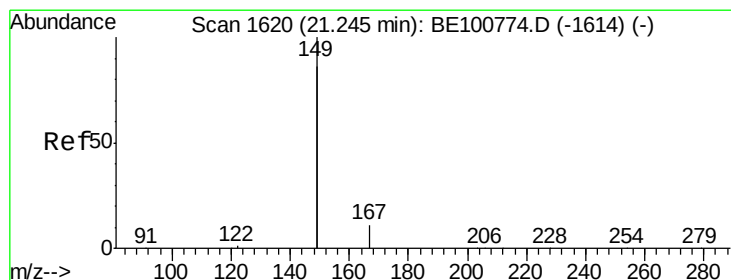
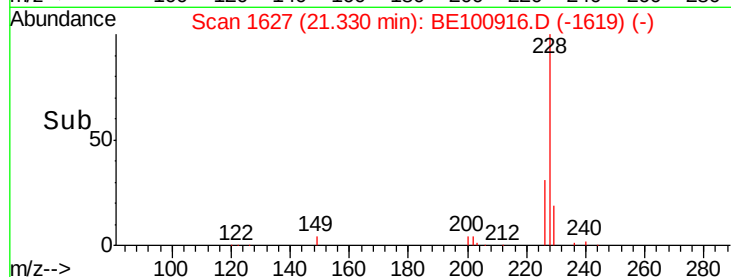
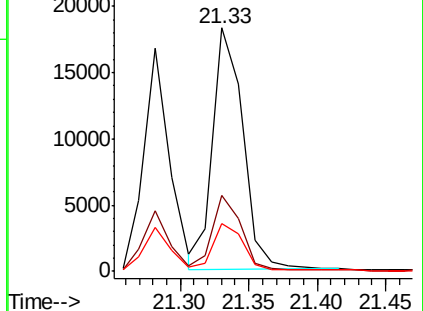
229 19.5 15.2 22.8



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: 0.442 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

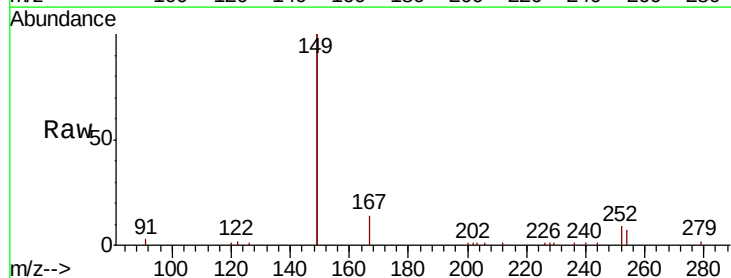
Tgt Ion:149 Resp: 20855

Ion Ratio Lower Upper

149 100

167 6.5 5.0 7.4

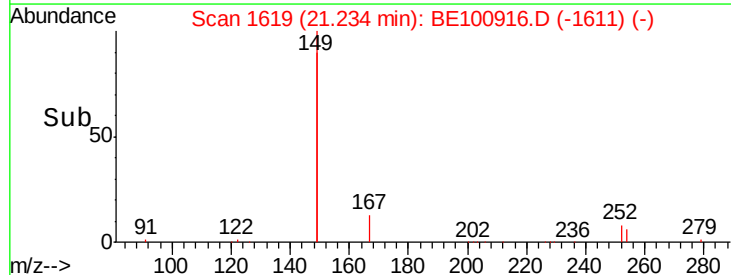
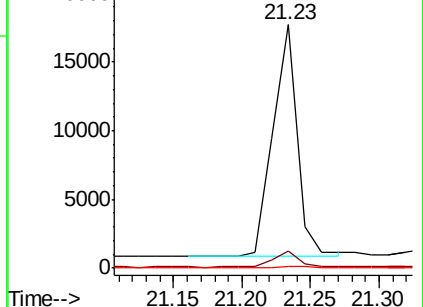
279 0.7 0.6 1.0

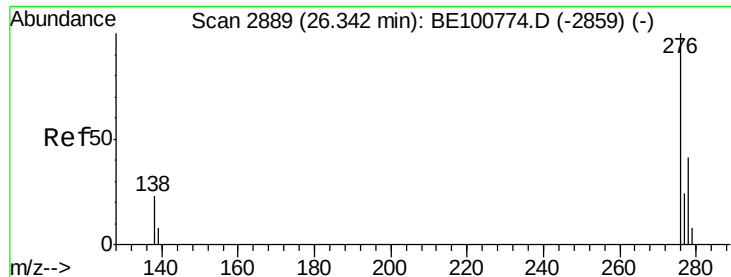


Abundance Ion 149.00 (148.70 to 149.70): E

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: 0.302 ng

RT: 26.32 min Scan# 2882

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

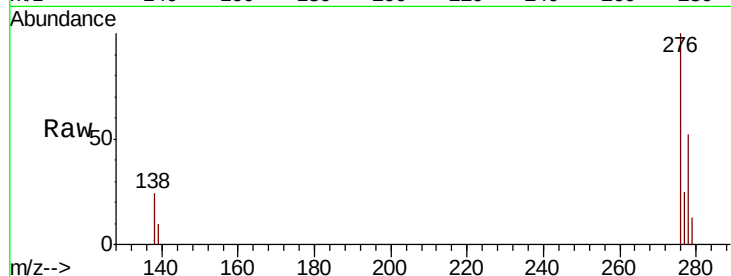
Tot Ion:276 Resp: 20781

Ion Ratio Lower Upper

276 100

138 23.1 18.4 27.6

277 23.6 19.4 29.2

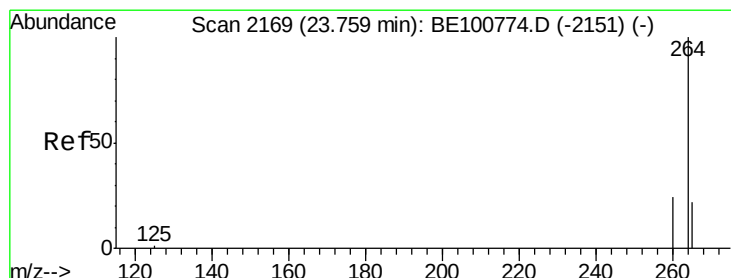
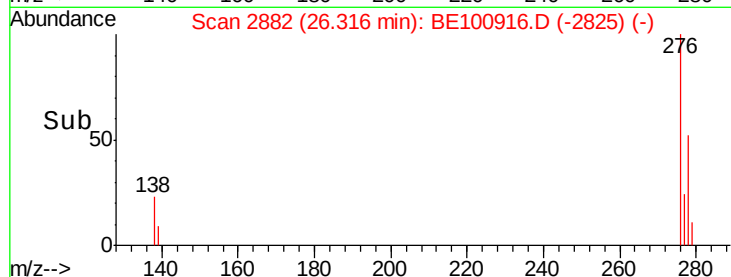
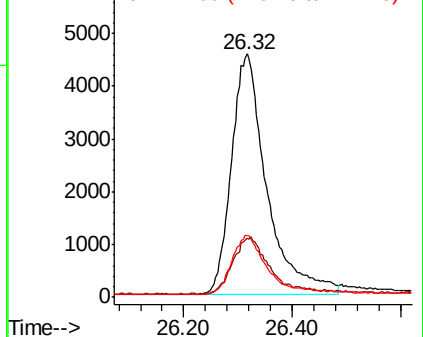


Abundance

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# 2164

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

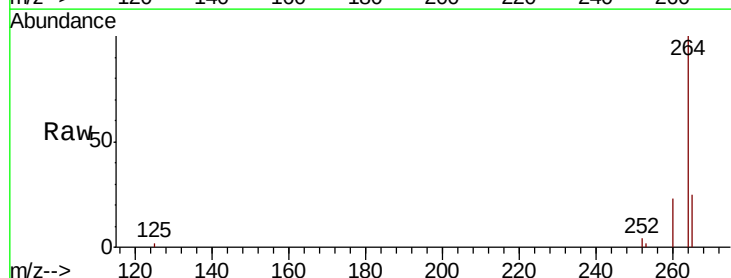
Tgt Ion:264 Resp: 22841

Ion Ratio Lower Upper

264 100

260 23.2 19.4 29.0

265 24.8 20.1 30.1

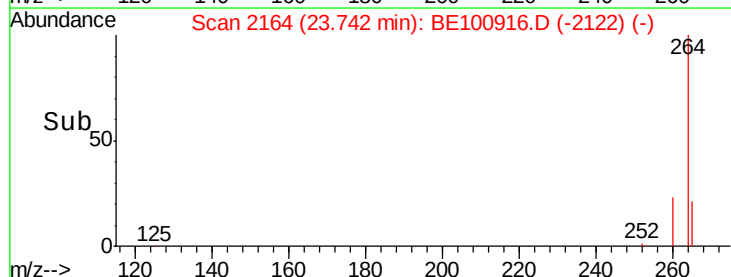
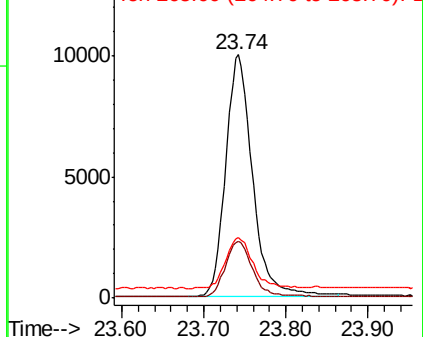


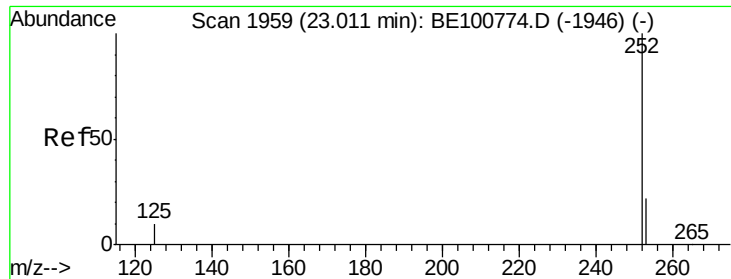
Abundance

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: 0.342 ng

RT: 23.00 min Scan# 1955

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

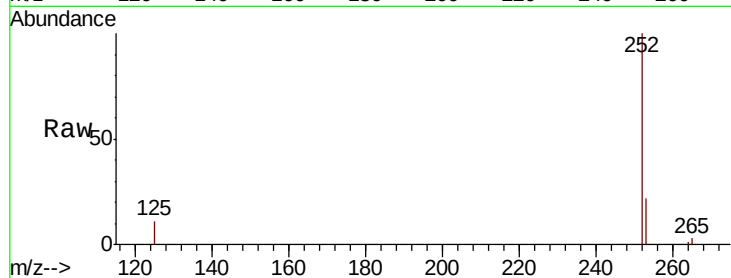
Tot Ion:252 Resp: 21395

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.1 8.3 12.5

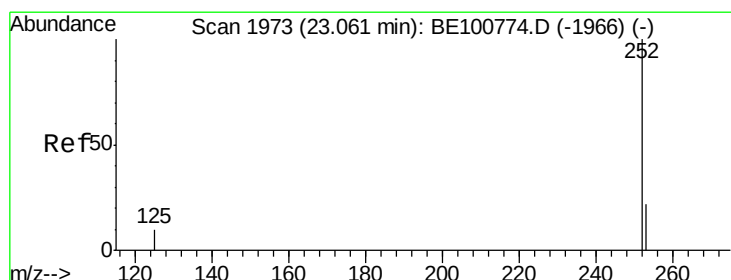
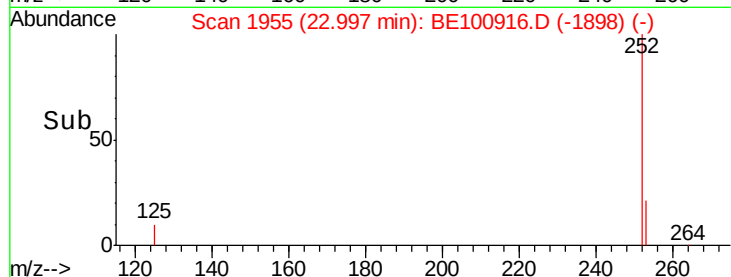
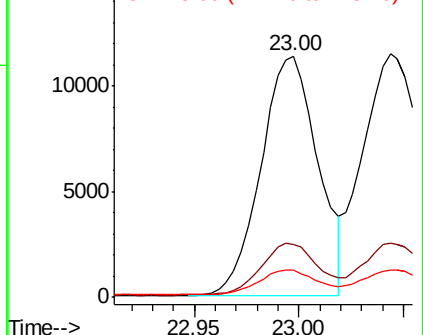


Abundance

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: 0.355 ng

RT: 23.04 min Scan# 1968

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

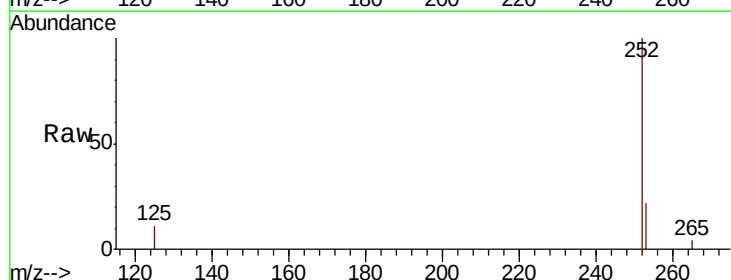
Tgt Ion:252 Resp: 24915

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.3 9.4 14.0

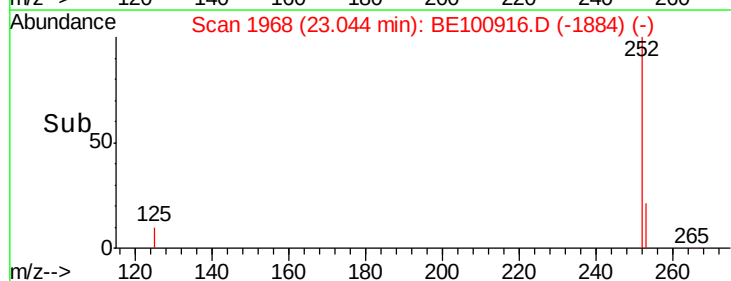
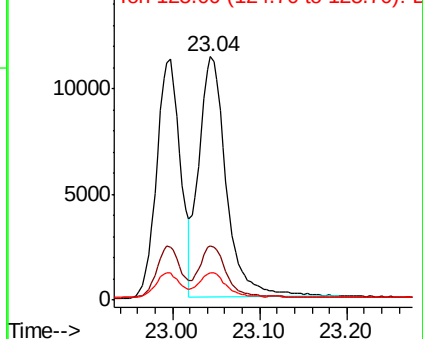


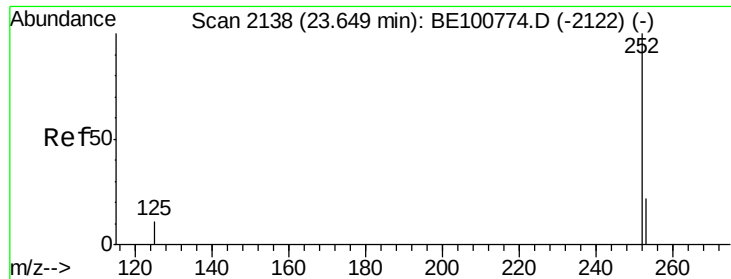
Abundance

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: 0.344 ng

RT: 23.63 min Scan# 2133

Delta R.T. 0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

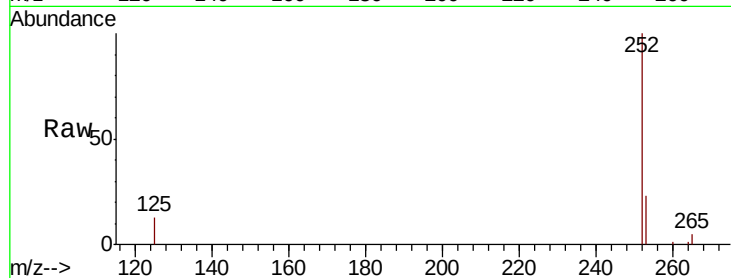
Tot Ion:252 Resp: 18650

Ion Ratio Lower Upper

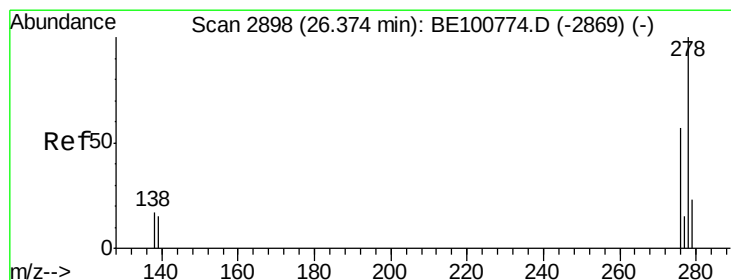
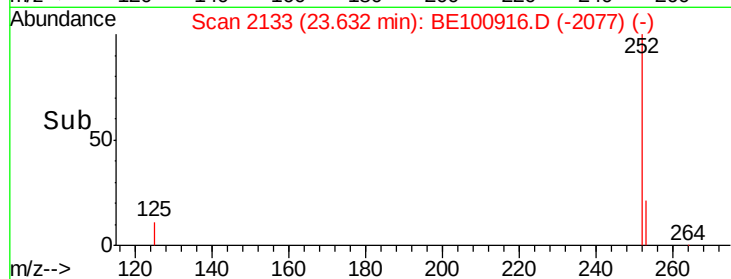
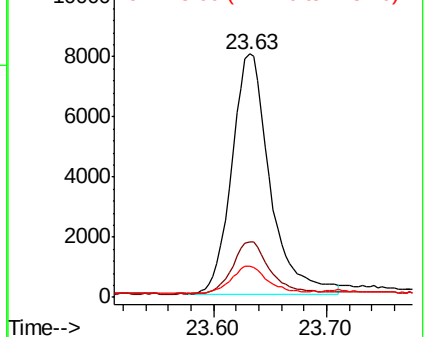
252 100

253 22.6 17.8 26.8

125 13.0 9.9 14.9



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: 0.311 ng

RT: 26.34 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

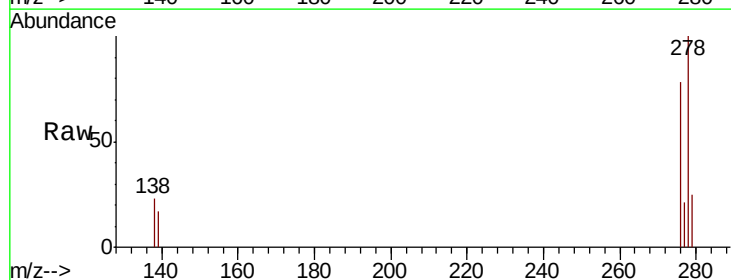
Tgt Ion:278 Resp: 16765

Ion Ratio Lower Upper

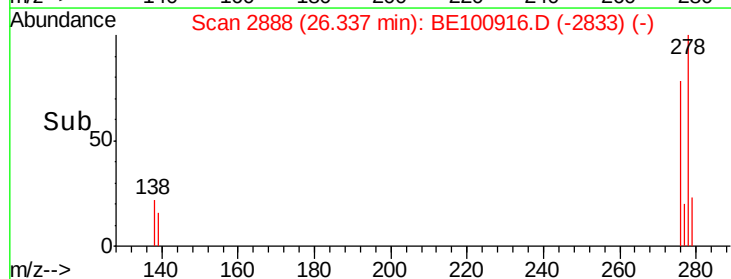
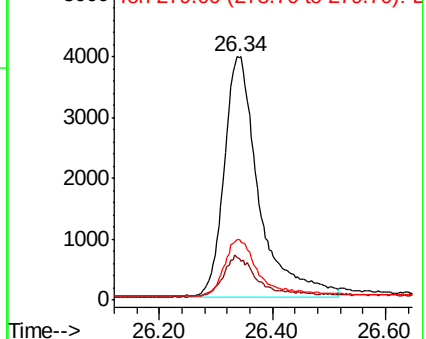
278 100

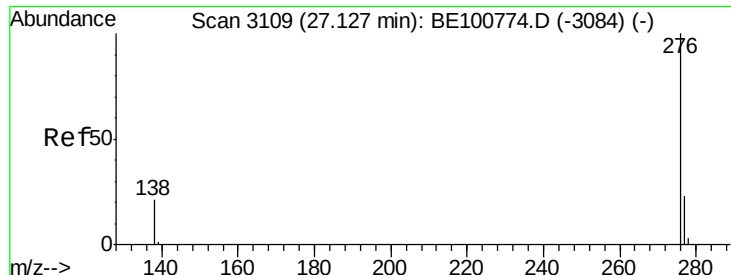
139 17.3 13.8 20.6

279 24.8 19.8 29.6



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: 0.340 ng

RT: 27.10 min Scan# 3101

Delta R.T. -0.00 min

Lab File: BE100916.D

Acq: 16 Dec 2019 11:39

Instrument :

BNA_E

ClientSampleId :

PB125411BS

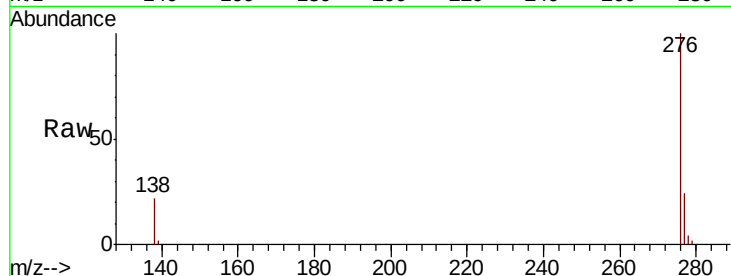
Tot Ion: 276 Resp: 19605

Ion Ratio Lower Upper

276 100

277 24.2 19.7 29.5

138 22.3 18.0 27.0



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

