

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100902.D
 Acq On : 14 Dec 2019 1:18
 Operator : JU
 Sample : K6251-09
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE108D2-20191206

Quant Time: Dec 14 04:03:23 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

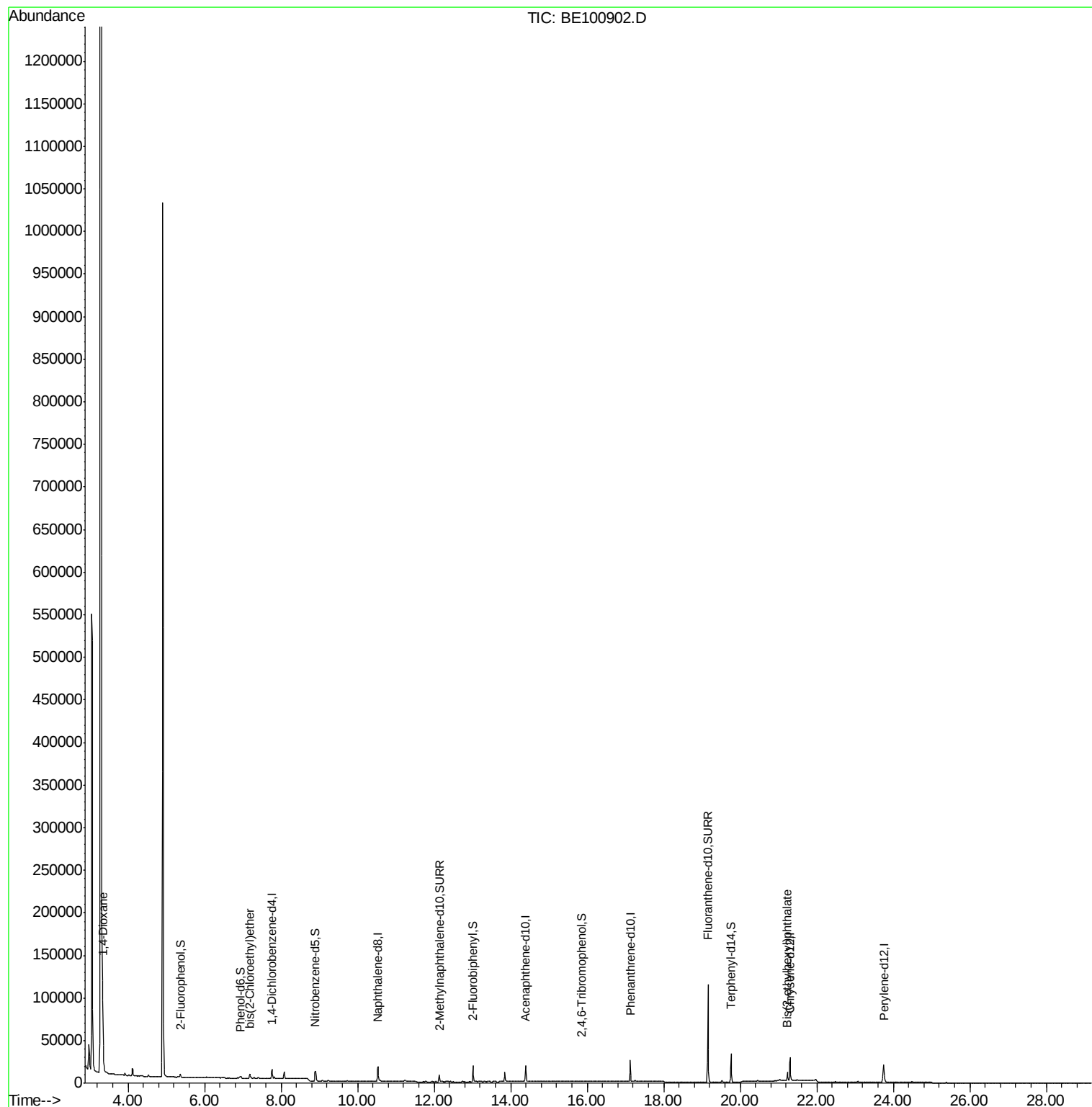
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4675	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	21060	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	11969	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	31234	0.40	ng	0.00
27) Chrysene-d12	21.30	240	28467	0.40	ng	0.00
34) Perylene-d12	23.75	264	31735	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.36	112	1752	0.16	ng	0.00
5) Phenol-d6	6.93	99	1632	0.10	ng	0.00
8) Nitrobenzene-d5	8.90	82	5105	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	12322	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	162	0.12	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	16783	0.35	ng	0.00
25) Fluoranthene-d10	19.15	212	149372	0.40	ng	0.00
29) Terphenyl-d14	19.76	244	28259	0.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	28600	3.355	ng	Qvalue # 88
6) bis(2-Chloroethyl)ether	7.18	93	1900	0.117	ng	91
32) Bis(2-ethylhexyl)phthalate	21.23	149	10408	0.142	ng	97

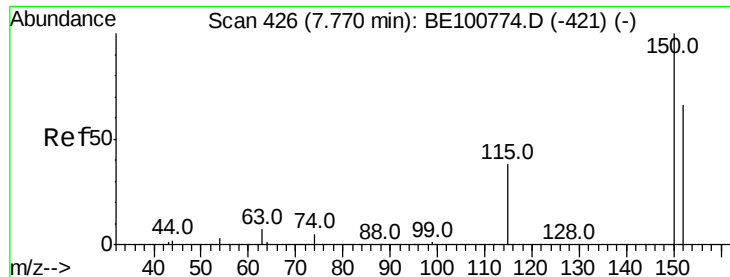
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.76 min Scan# 425

Delta R.T. 0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

BNA_E

ClientSampleId :

RE108D2-20191206

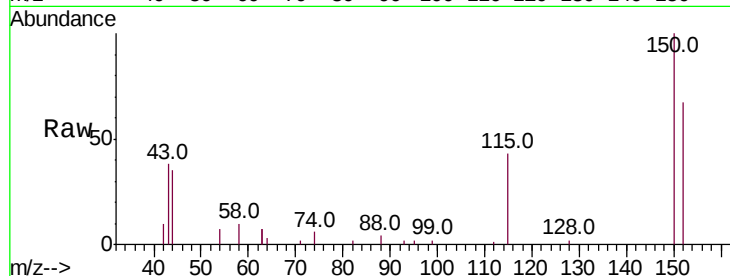
Tot Ion:152 Resp: 4675

Ion Ratio Lower Upper

152 100

150 149.8 125.5 188.3

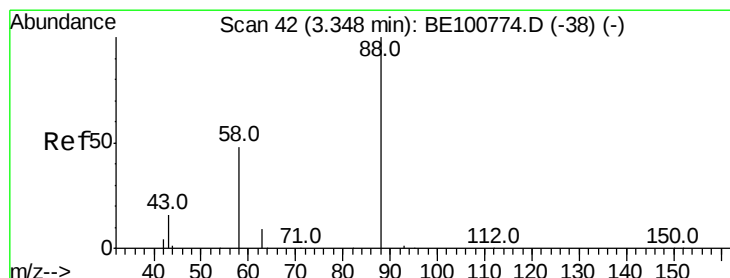
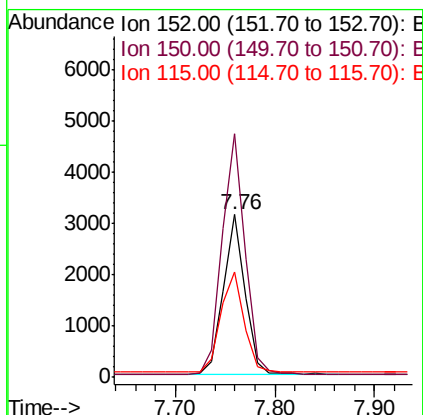
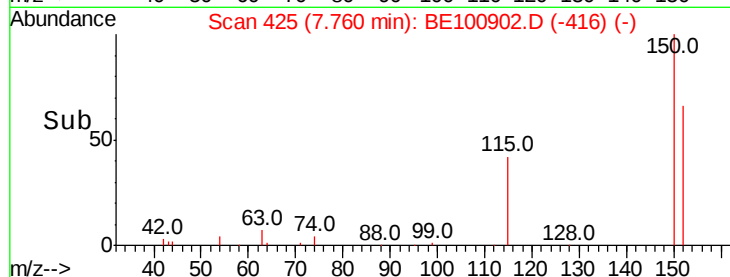
115 64.6 55.7 83.5



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: 3.355 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

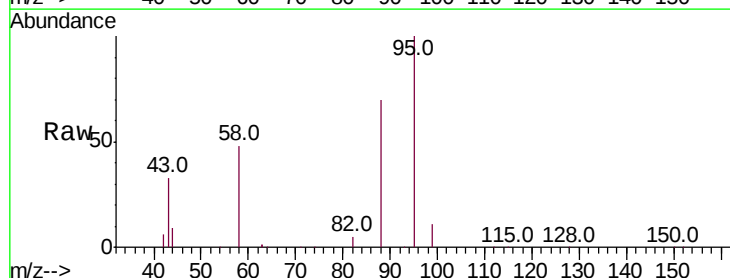
Tgt Ion: 88 Resp: 28600

Ion Ratio Lower Upper

88 100

58 74.0 52.3 78.5

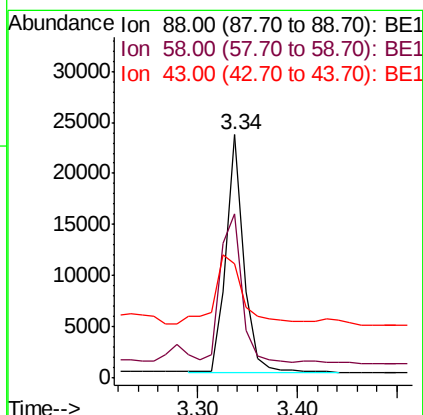
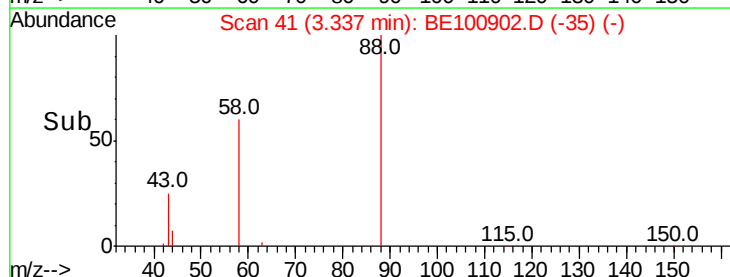
43 37.4 23.5 35.3#

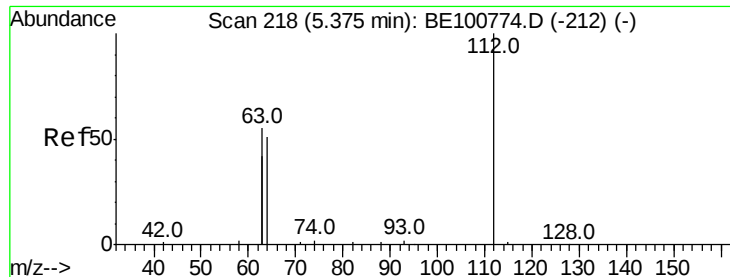


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.158 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

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ClientSampleId :

RE108D2-20191206

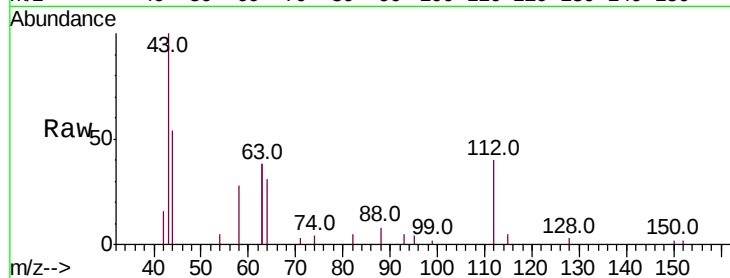
Tot Ion:112 Resp: 1752

Ion Ratio Lower Upper

112 100

64 66.7 54.5 81.7

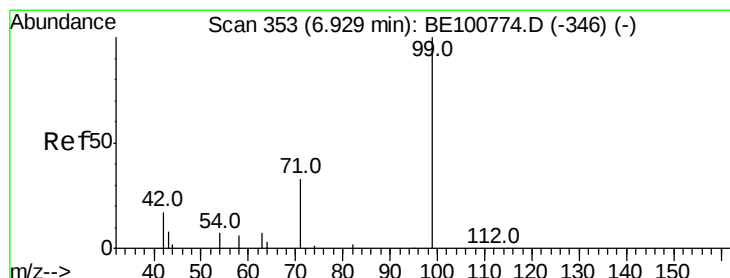
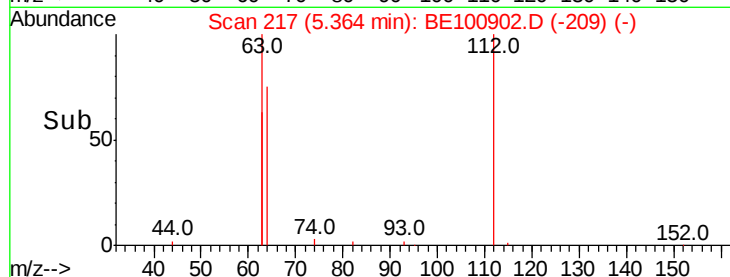
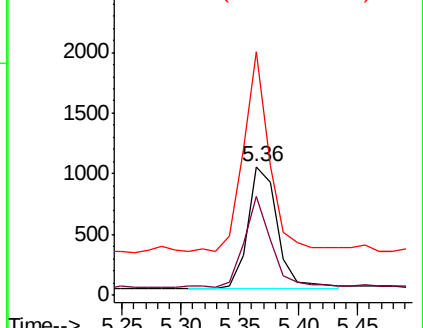
63 145.2 116.1 174.1



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: 0.097 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

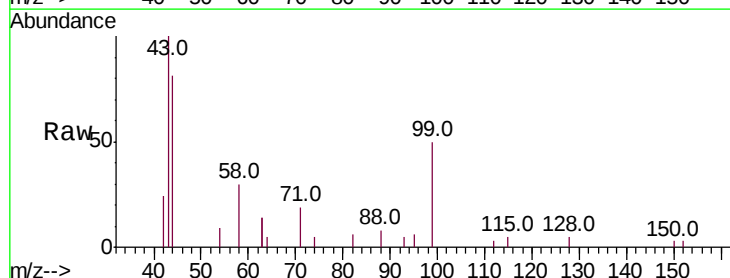
Tgt Ion: 99 Resp: 1632

Ion Ratio Lower Upper

99 100

42 27.6 18.2 27.2#

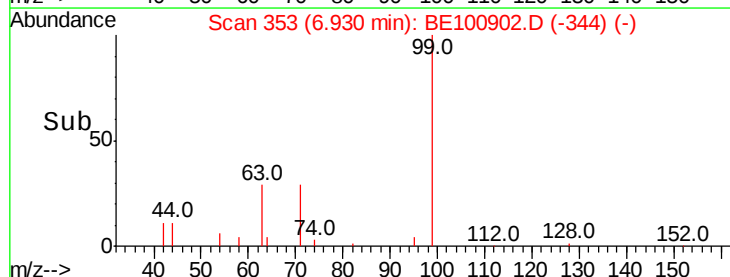
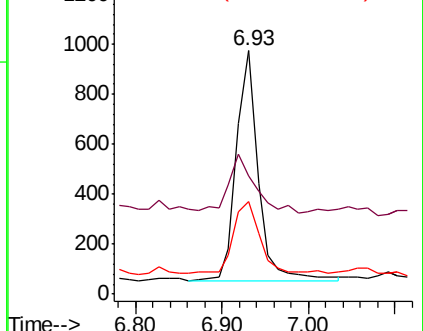
71 38.2 29.1 43.7

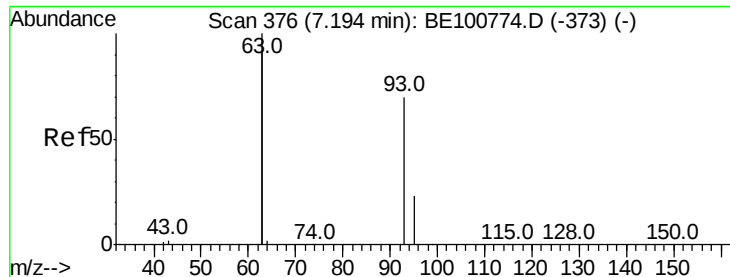


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.117 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

BNA_E

ClientSampleId :

RE108D2-20191206

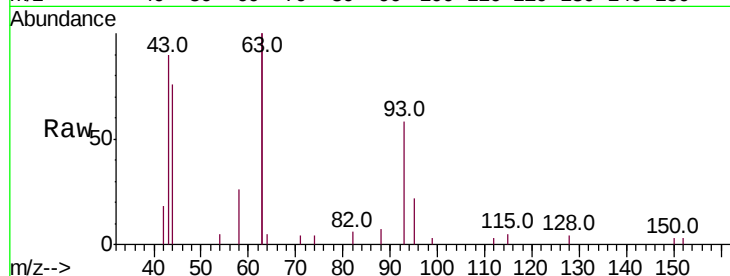
Tot Ion: 93 Resp: 1900

Ion Ratio Lower Upper

93 100

63 335.6 253.9 380.9

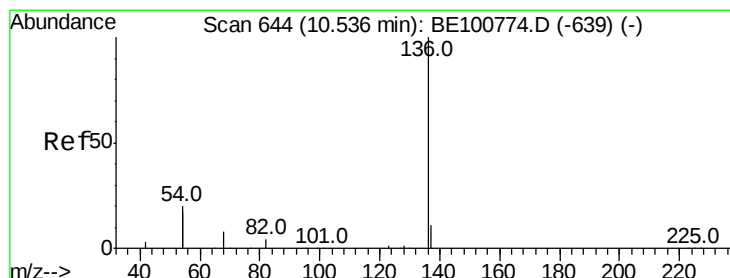
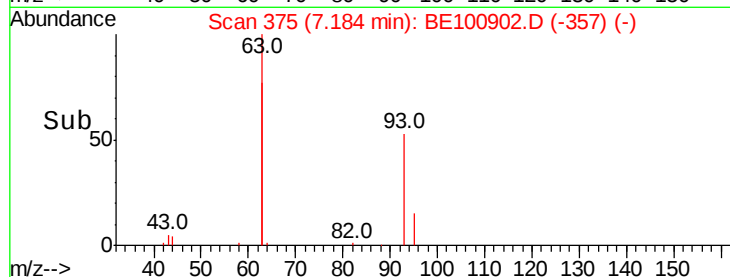
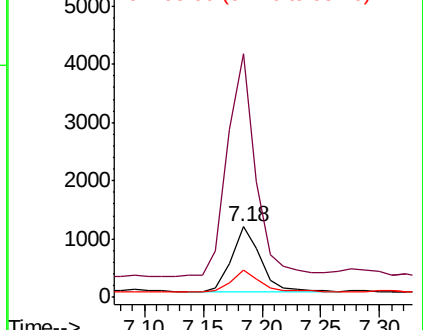
95 36.8 25.0 37.6



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: BE100902.D

Acq: 14 Dec 2019 1:18

Tgt Ion: 136 Resp: 21060

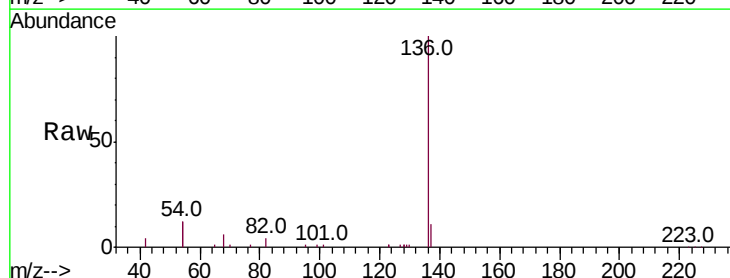
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 24.4 18.9 28.3

68 5.7 4.6 6.8

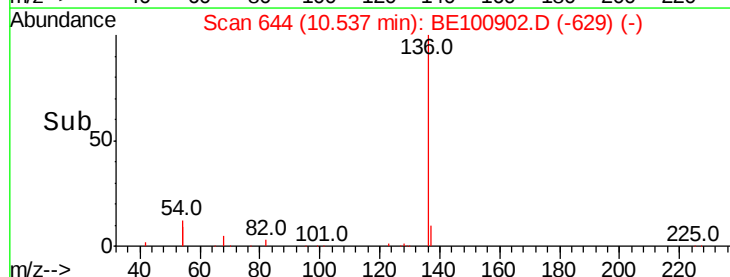
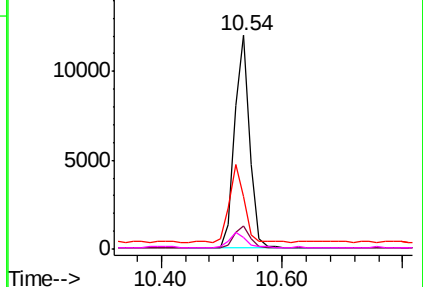


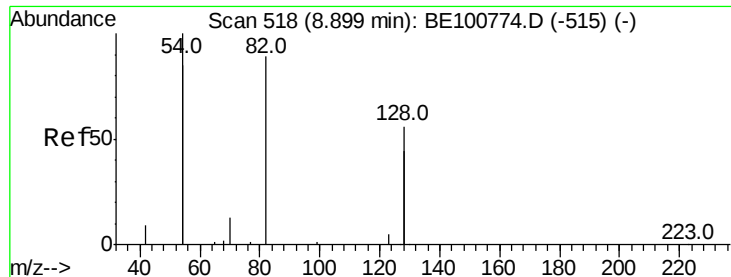
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.509 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

BNA_E

ClientSampleId :

RE108D2-20191206

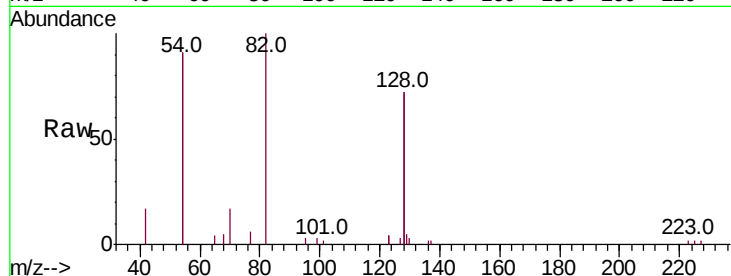
Tot Ion: 82 Resp: 5105

Ion Ratio Lower Upper

82 100

128 144.6 113.5 170.3

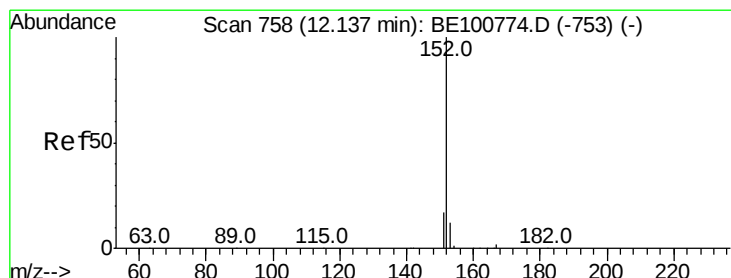
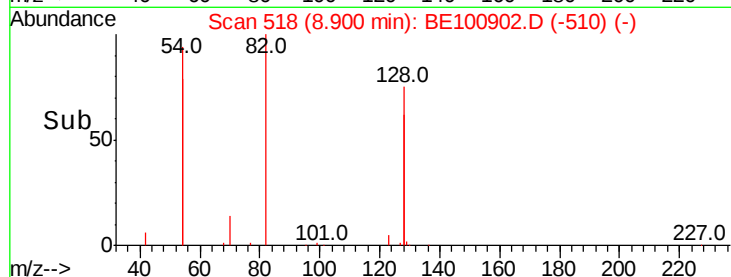
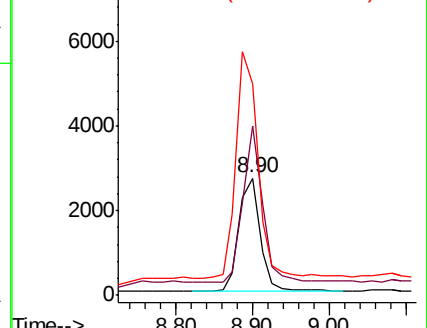
54 181.2 138.9 208.3



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#11

2-Methylnaphthalene-d10

Concen: 0.404 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100902.D

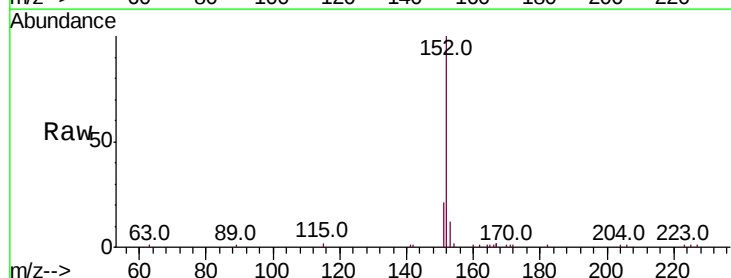
Acq: 14 Dec 2019 1:18

Tgt Ion: 152 Resp: 12322

Ion Ratio Lower Upper

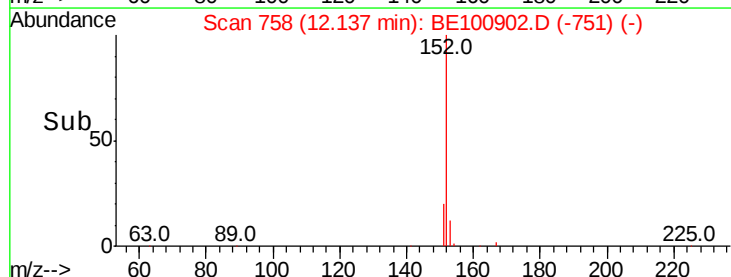
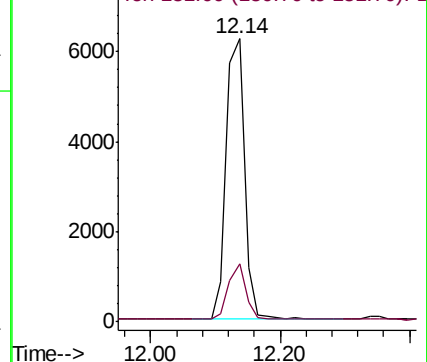
152 100

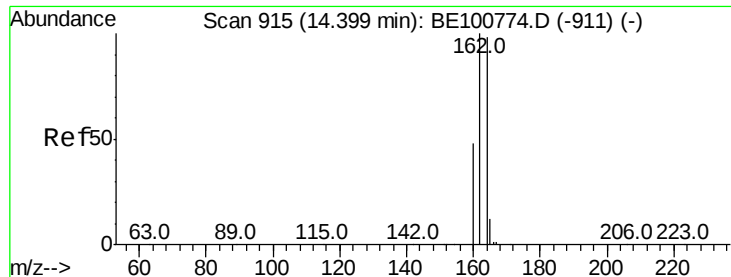
151 19.0 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.38 min Scan# 914

Delta R.T. -0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

BNA_E

ClientSampleId :

RE108D2-20191206

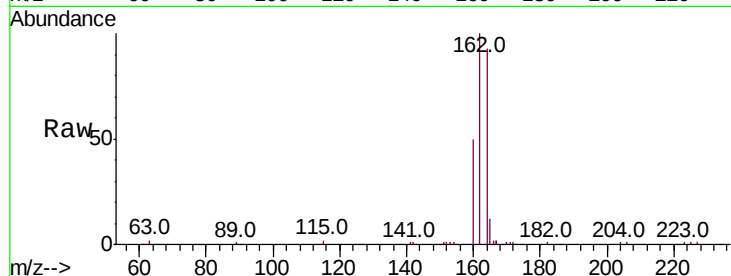
Tot Ion:164 Resp: 11969

Ion Ratio Lower Upper

164 100

162 107.0 86.0 129.0

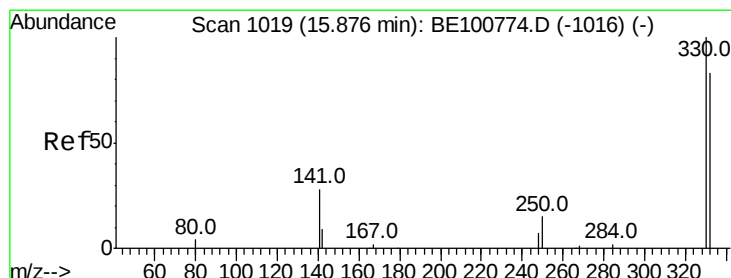
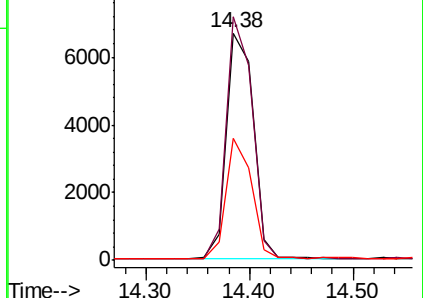
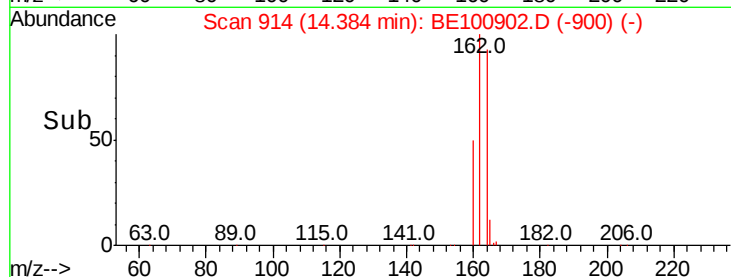
160 53.7 42.3 63.5



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: 0.122 ng

RT: 15.86 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

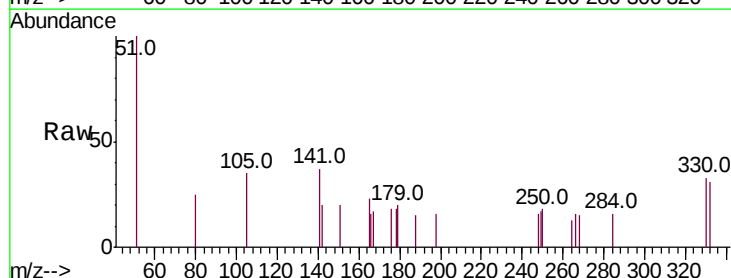
Tgt Ion:330 Resp: 162

Ion Ratio Lower Upper

330 100

332 98.1 74.1 111.1

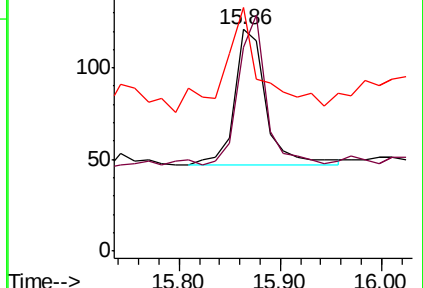
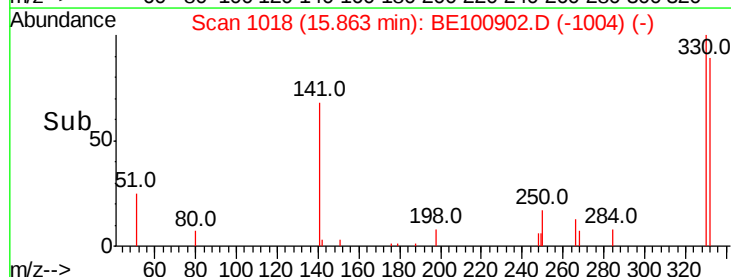
141 90.7 46.7 70.1#

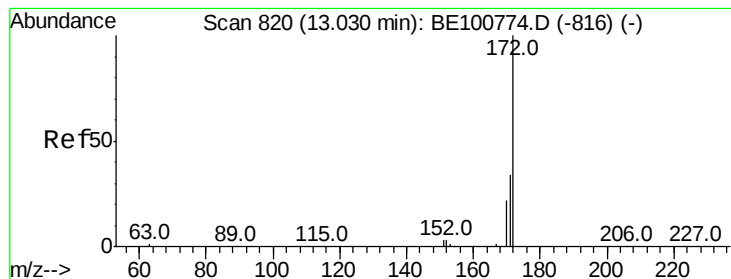


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.354 ng

RT: 13.02 min Scan# 819

Delta R.T. -0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

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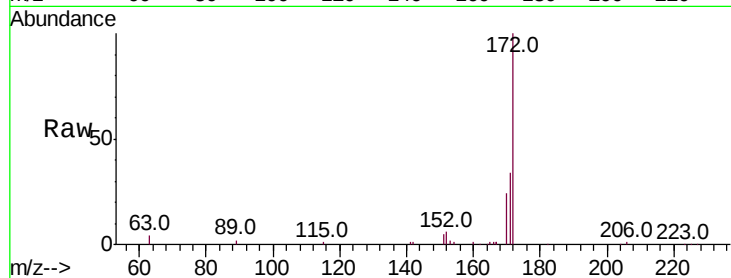
Tot Ion:172 Resp: 16783

Ion Ratio Lower Upper

172 100

171 33.7 28.2 42.4

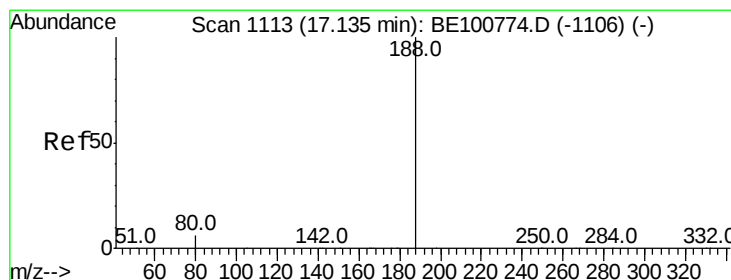
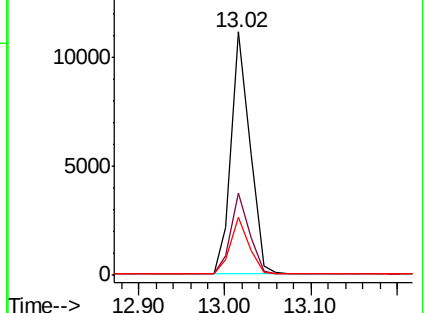
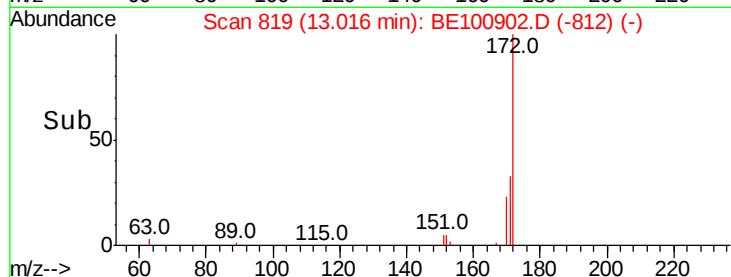
170 23.7 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

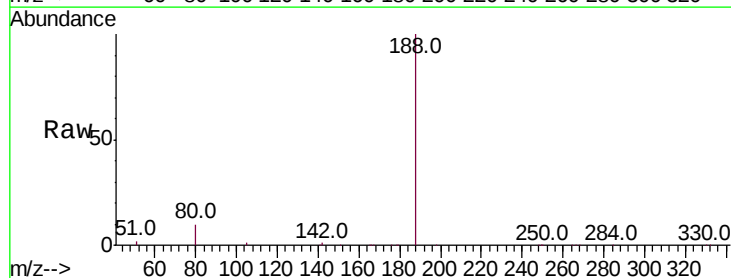
Tgt Ion:188 Resp: 31234

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

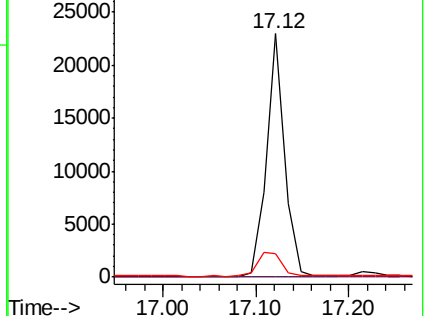
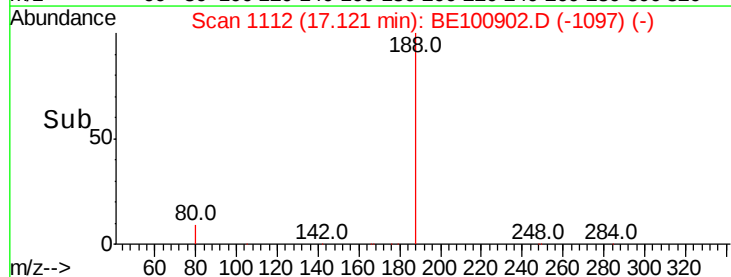
80 9.9 7.9 11.9

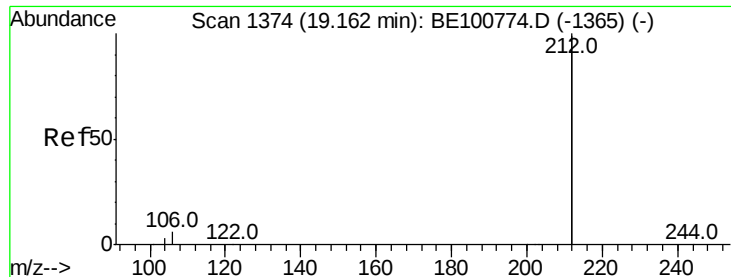


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1





#25

Fluoranthene-d10

Concen: 0.405 ng

RT: 19.15 min Scan# 1373

Delta R.T. 0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

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ClientSampleId :

RE108D2-20191206

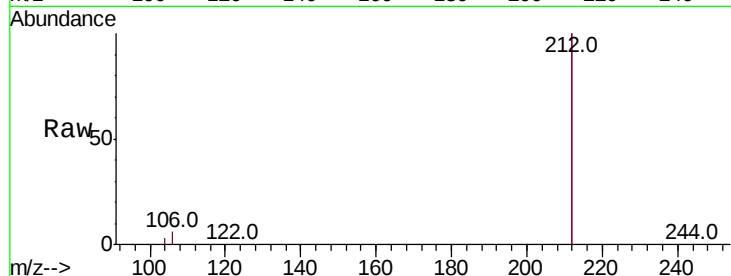
Tot Ion:212 Resp: 149372

Ion Ratio Lower Upper

212 100

106 3.3 2.6 4.0

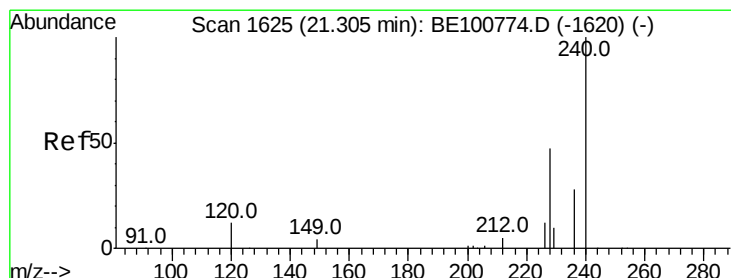
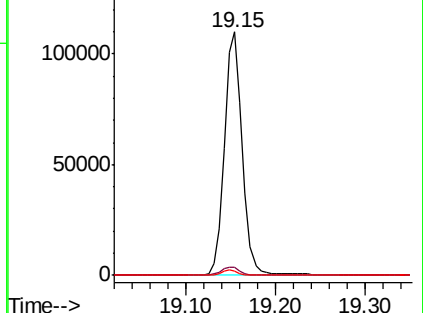
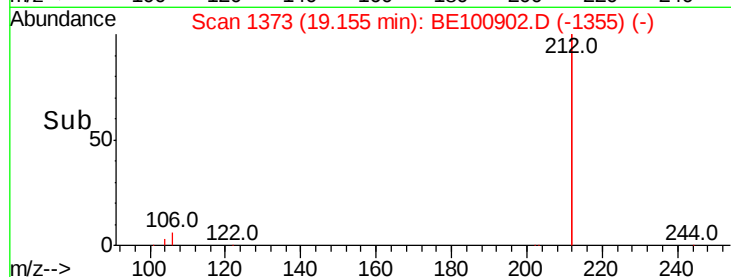
104 1.9 1.4 2.2



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



#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.30 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

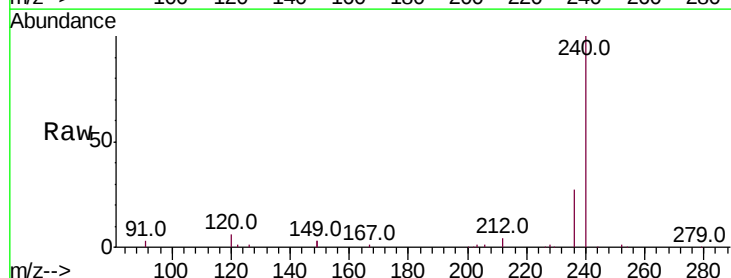
Tgt Ion:240 Resp: 28467

Ion Ratio Lower Upper

240 100

120 6.4 4.0 6.0#

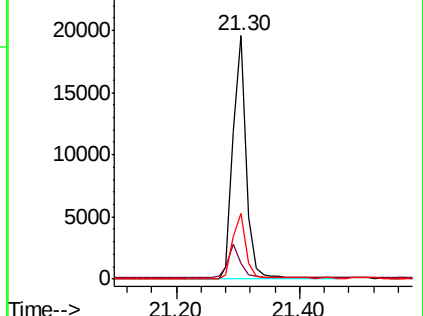
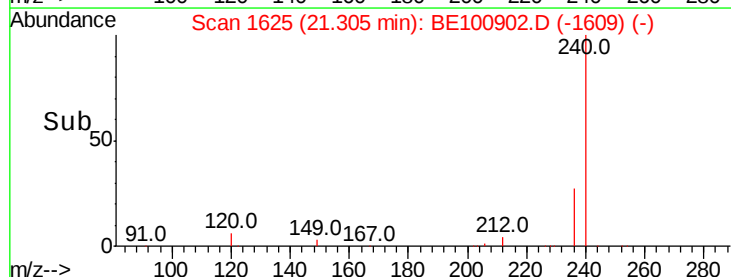
236 27.2 21.6 32.4

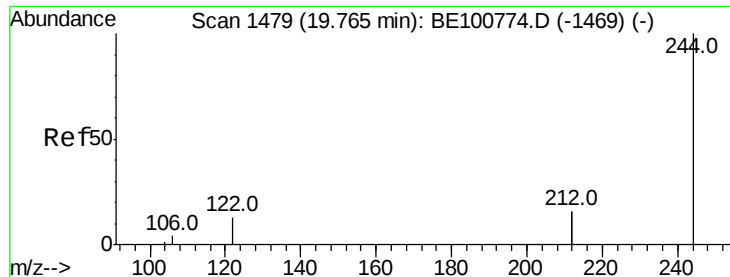


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.414 ng

RT: 19.76 min Scan# 1478

Delta R.T. -0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

BNA_E

ClientSampleId :

RE108D2-20191206

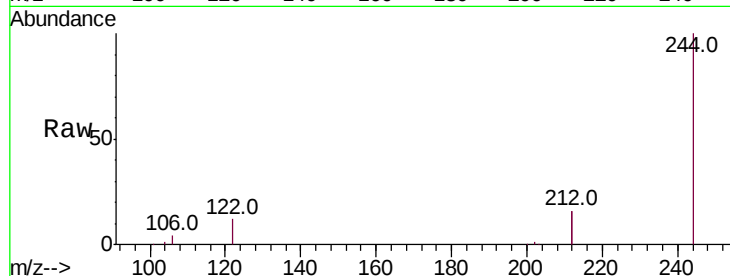
Tot Ion:244 Resp: 28259

Ion Ratio Lower Upper

244 100

212 31.2 25.2 37.8

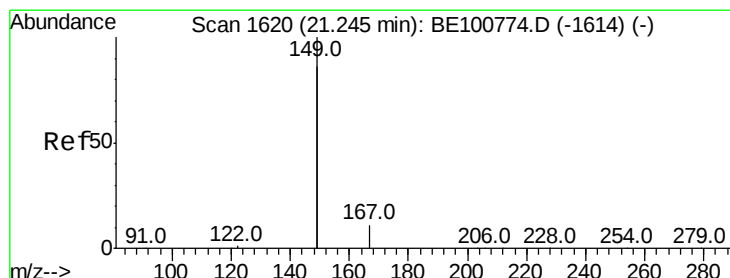
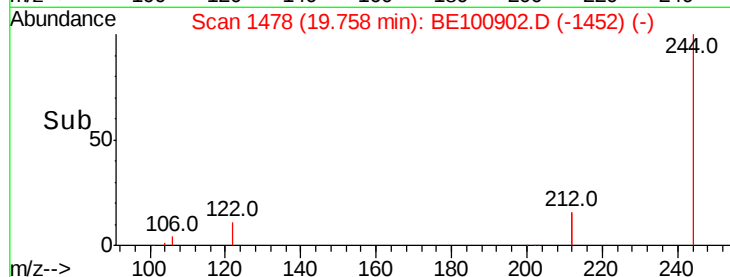
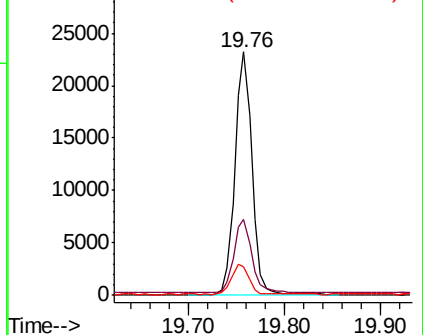
122 11.8 8.9 13.3



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.142 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

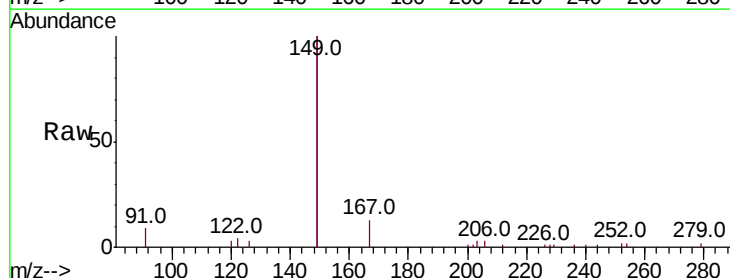
Tgt Ion:149 Resp: 10408

Ion Ratio Lower Upper

149 100

167 7.2 5.0 7.4

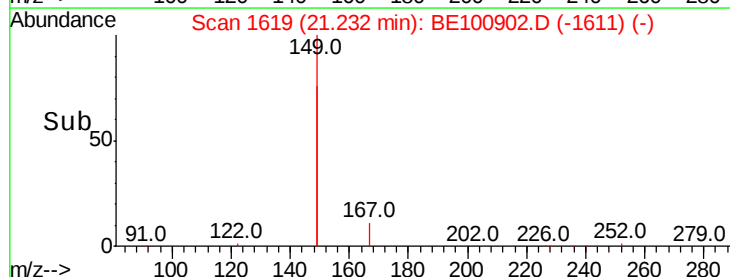
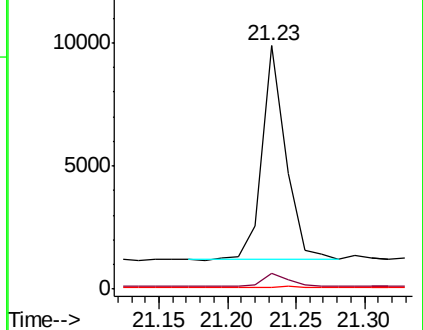
279 0.8 0.6 1.0

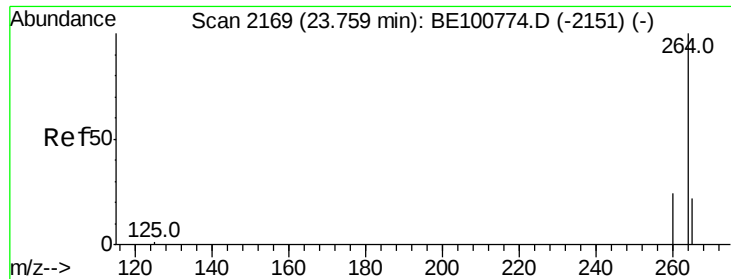


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.75 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE100902.D

Acq: 14 Dec 2019 1:18

Instrument :

BNA_E

ClientSampleId :

RE108D2-20191206

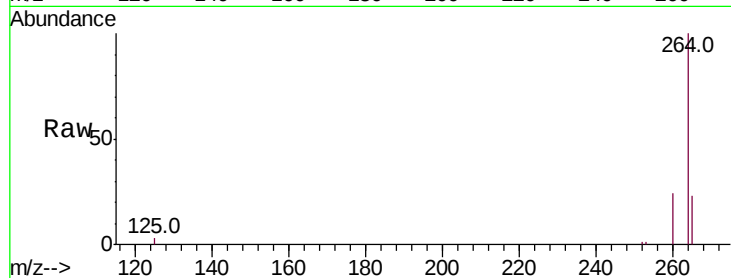
Tot Ion: 264 Resp: 31735

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.0

265 23.4 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

