

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
 Data File : BE100820.D
 Acq On : 10 Dec 2019 20:48
 Operator : JU
 Sample : K6184-14
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE122D2-20191203

Quant Time: Dec 11 05:41:41 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

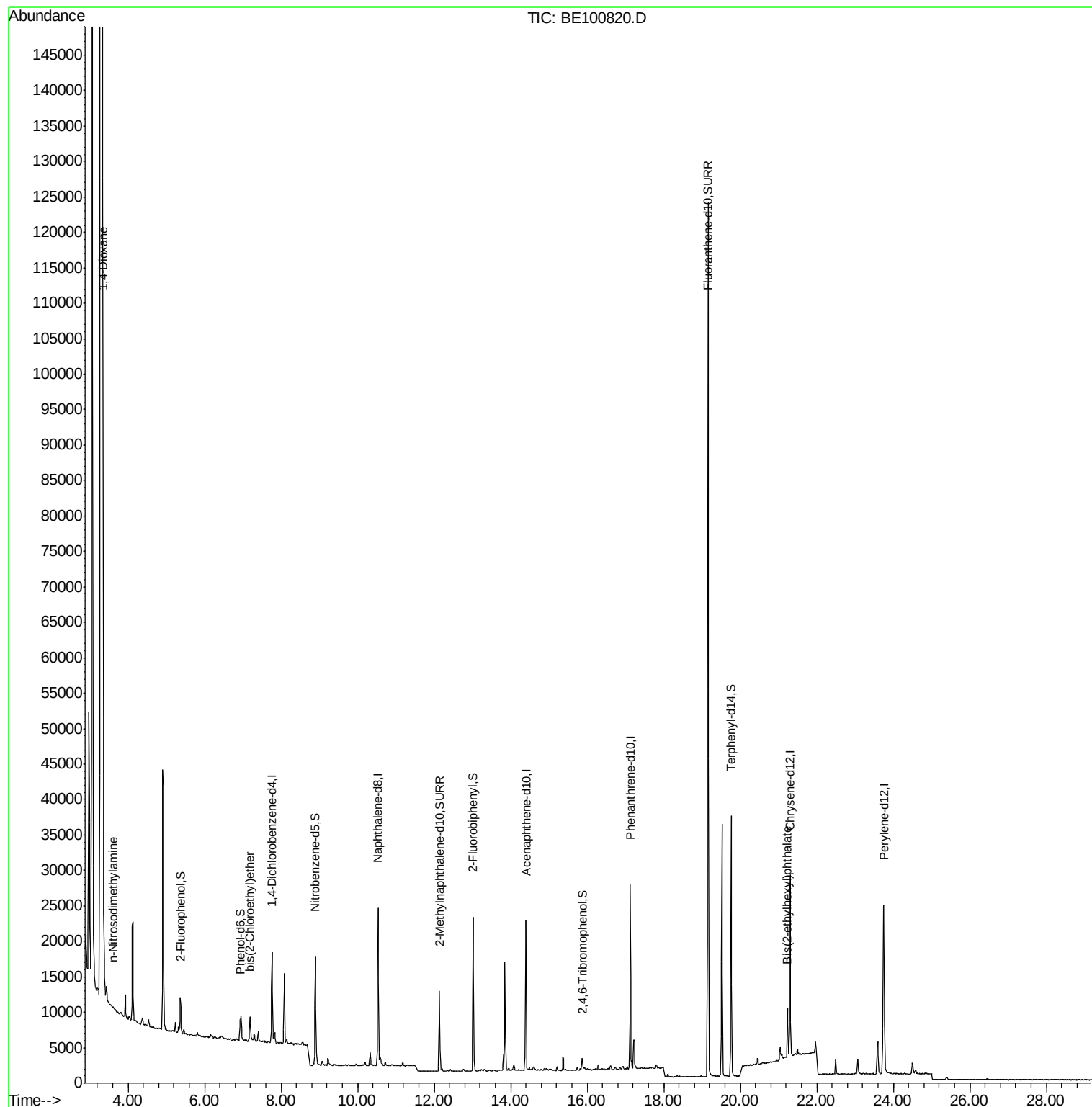
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	5265	0.40	ng	0.00
7) Naphthalene-d8	10.53	136	24398	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	14199	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	33494	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	28786	0.40	ng	0.00
34) Perylene-d12	23.75	264	34535	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	2542	0.20	ng	0.00
5) Phenol-d6	6.93	99	2360	0.13	ng	0.00
8) Nitrobenzene-d5	8.90	82	6133	0.53	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	14689	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	1084	0.69	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	20382	0.36	ng	-0.01
25) Fluoranthene-d10	19.16	212	153881	0.39	ng	0.00
29) Terphenyl-d14	19.76	244	29985	0.43	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	49688	5.176	ng	# 88
3) n-Nitrosodimethylamine	3.60	42	192	0.025	ng	# 5
6) bis(2-Chloroethyl)ether	7.18	93	1321	0.072	ng	98
32) Bis(2-ethylhexyl)phthalate	21.23	149	9223	0.114	ng	# 97

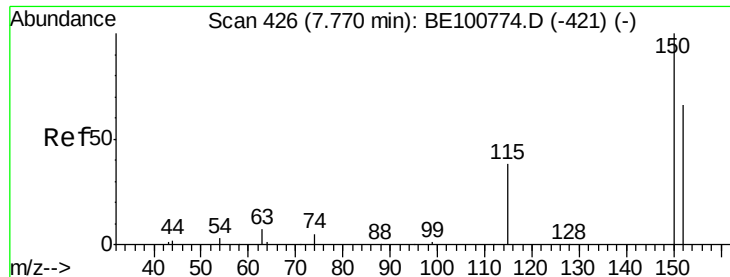
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration



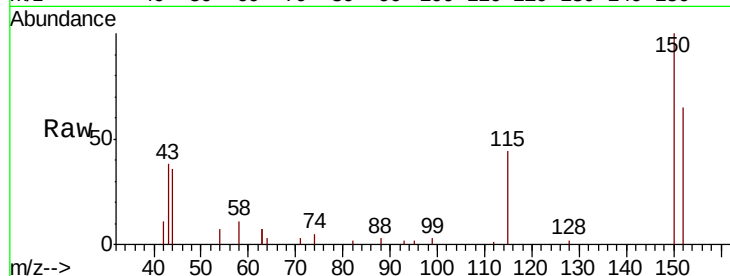


#1

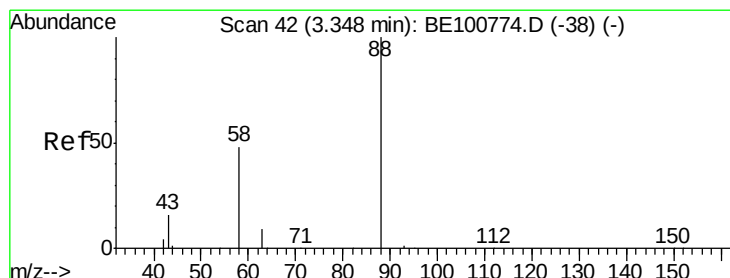
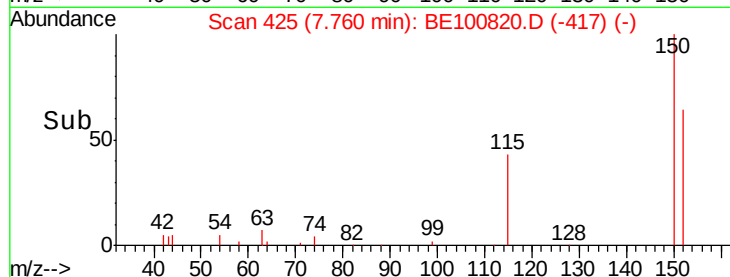
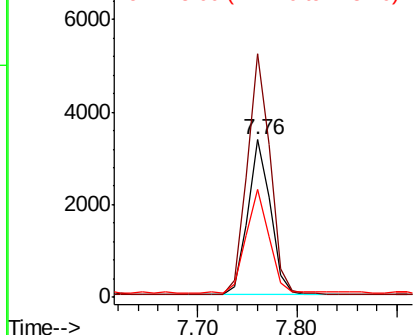
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. -0.01 min
Lab File: BE100820.D
Acq: 10 Dec 2019 20:48

Instrument :
BNA_E
ClientSampleId :
RE122D2-20191203

Tot Ion:152 Resp: 5265
Ion Ratio Lower Upper
152 100
150 154.3 120.6 181.0
115 68.1 47.4 71.2



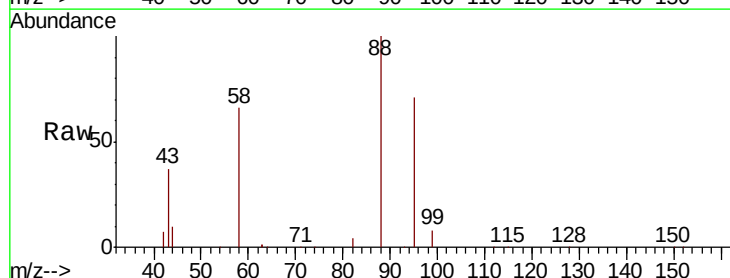
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



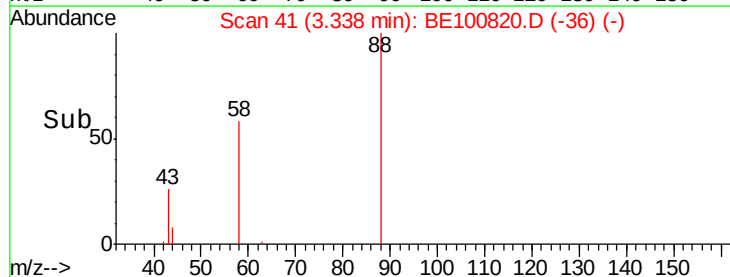
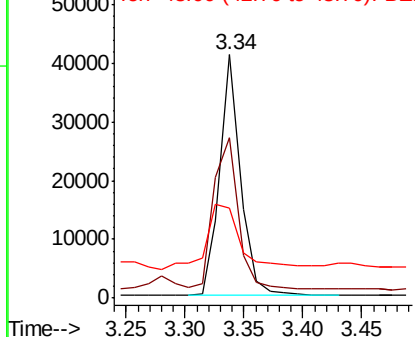
#2

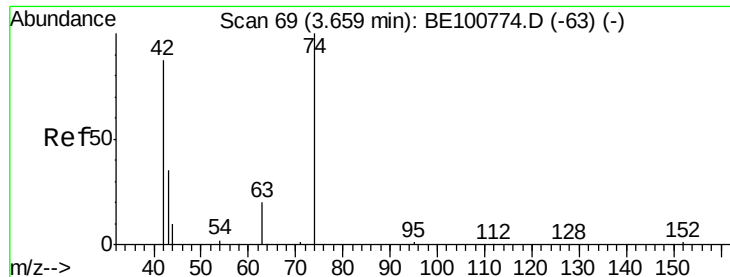
1,4-Dioxane
Concen: 5.176 ng
RT: 3.34 min Scan# 41
Delta R.T. -0.01 min
Lab File: BE100820.D
Acq: 10 Dec 2019 20:48

Tgt Ion: 88 Resp: 49688
Ion Ratio Lower Upper
88 100
58 74.7 52.5 78.7
43 36.7 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: 0.025 ng

RT: 3.60 min Scan# 64

Delta R.T. -0.06 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

Instrument :

BNA_E

ClientSampleId :

RE122D2-20191203

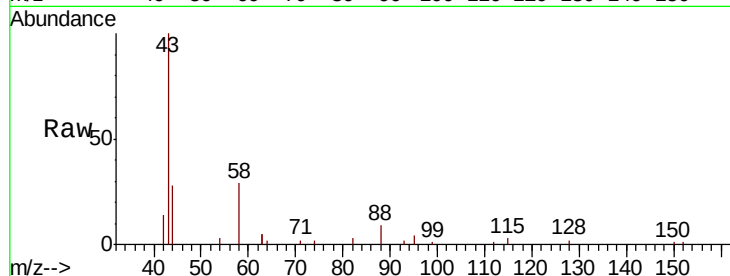
Tot Ion: 42 Resp: 192

Ion Ratio Lower Upper

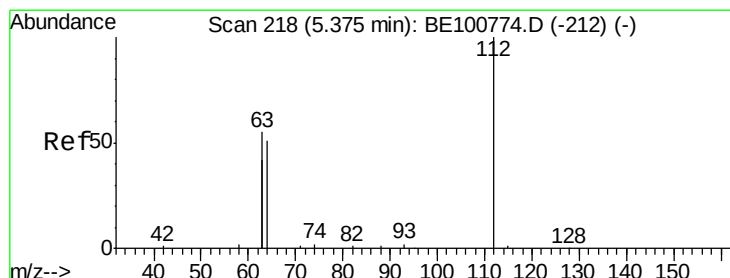
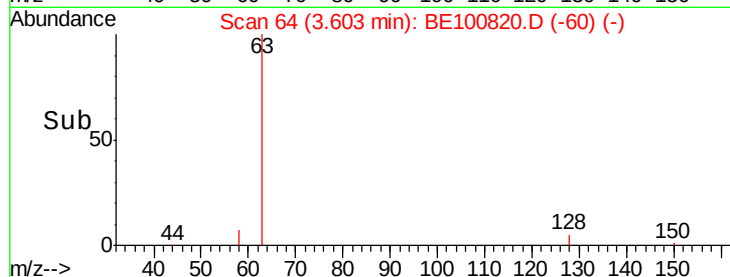
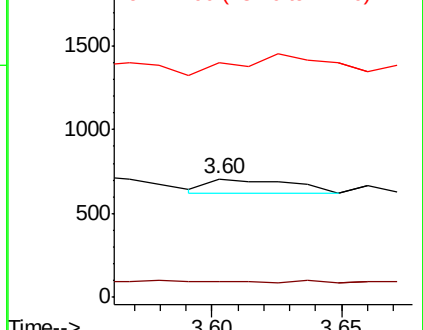
42 100

74 0.0 86.3 129.5#

44 0.0 11.6 17.4#



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: 0.203 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

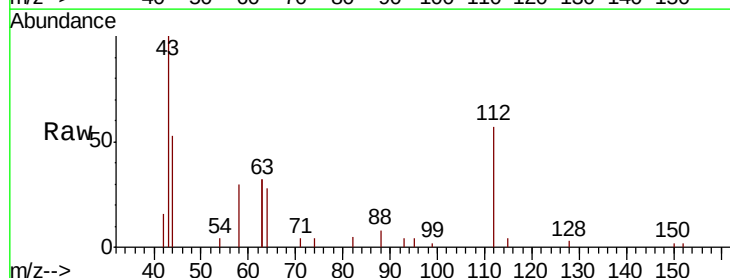
Tgt Ion: 112 Resp: 2542

Ion Ratio Lower Upper

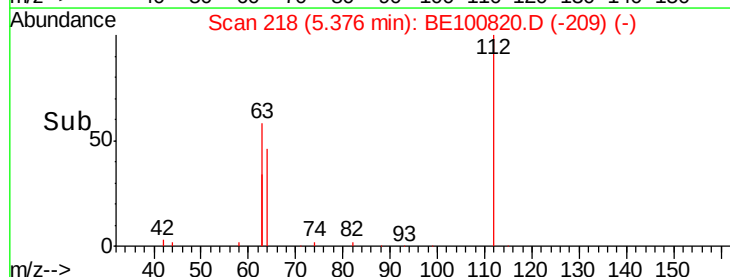
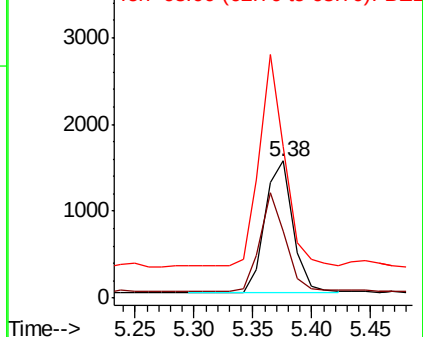
112 100

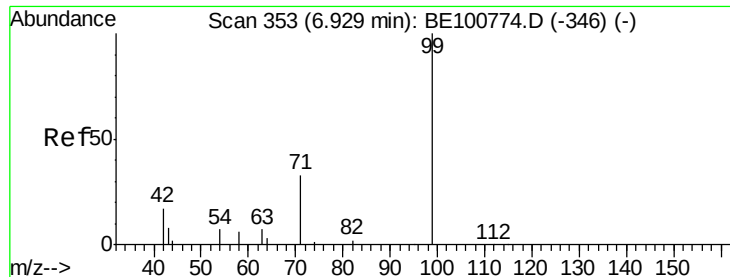
64 68.3 54.1 81.1

63 143.4 113.2 169.8



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





#5

Phenol-d6

Concen: 0.125 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

Instrument :

BNA_E

ClientSampleId :

RE122D2-20191203

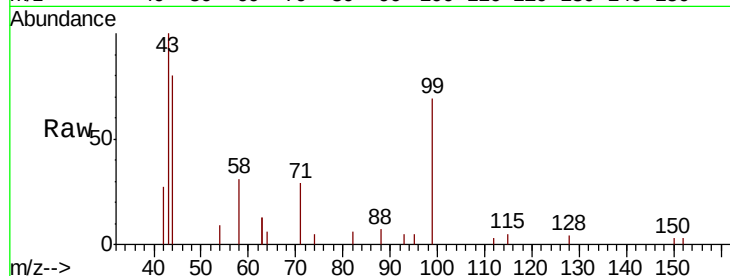
Tot Ion: 99 Resp: 2360

Ion Ratio Lower Upper

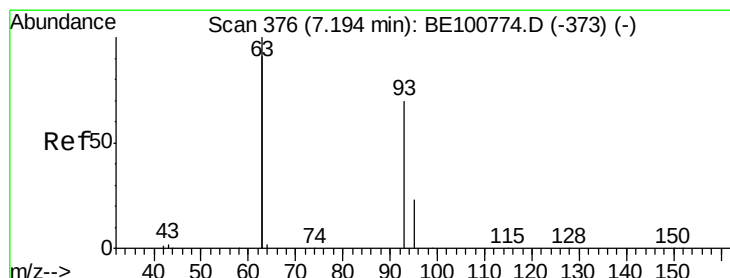
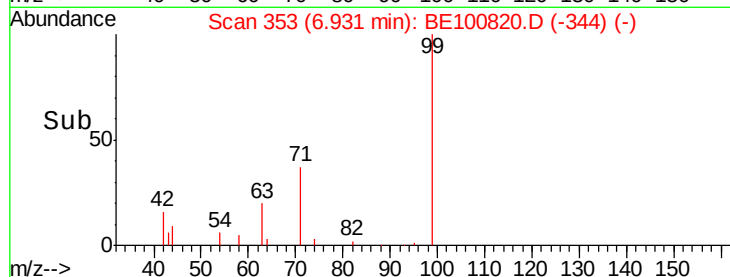
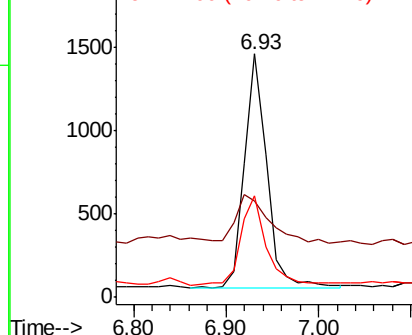
99 100

42 31.3 19.1 28.7#

71 43.9 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: 0.072 ng

RT: 7.18 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

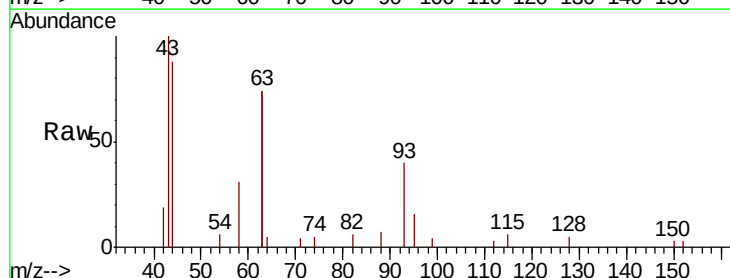
Tgt Ion: 93 Resp: 1321

Ion Ratio Lower Upper

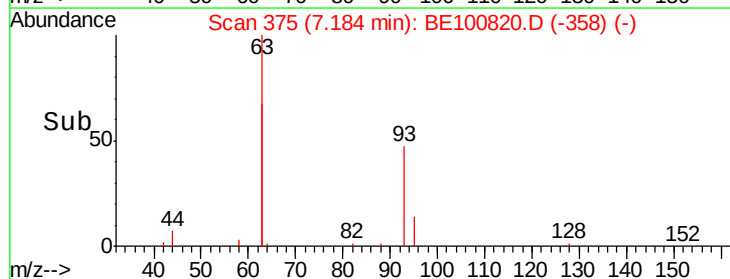
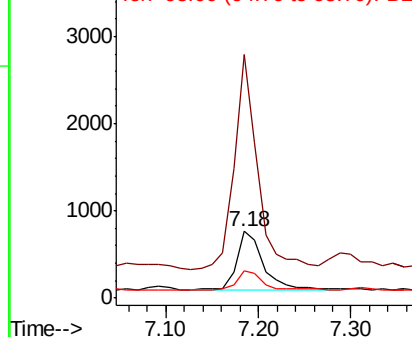
93 100

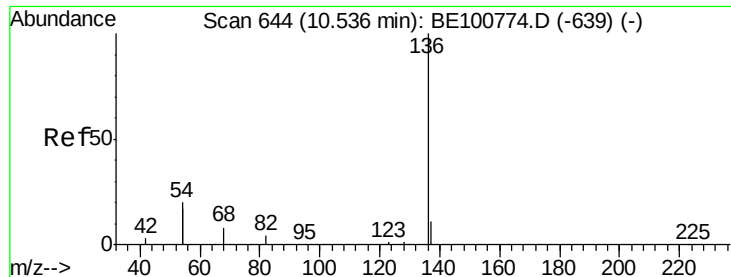
63 328.2 259.4 389.0

95 33.8 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: 10.53 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

Instrument :

BNA_E

ClientSampleId :

RE122D2-20191203

Tot Ion:136 Resp: 24398

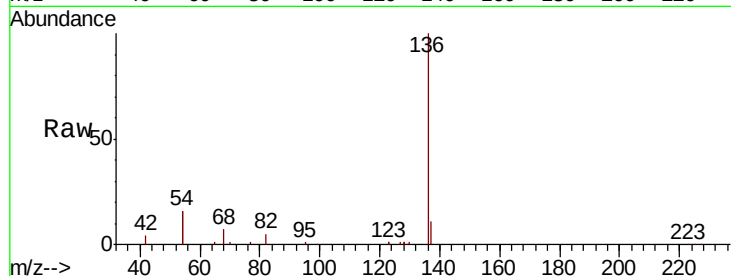
Ion Ratio Lower Upper

136 100

137 11.1 9.4 14.0

54 31.9 31.1 46.7

68 7.3 6.6 10.0

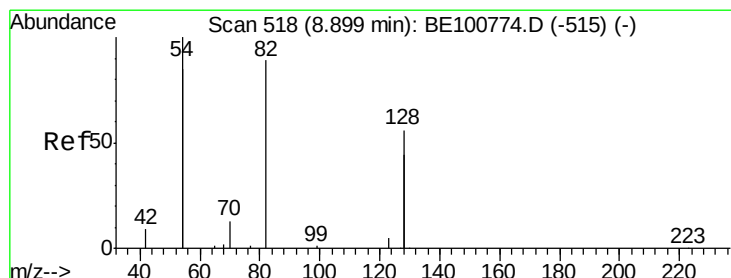
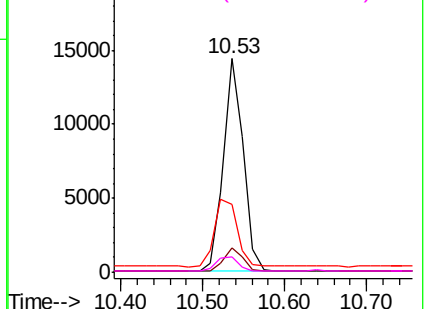
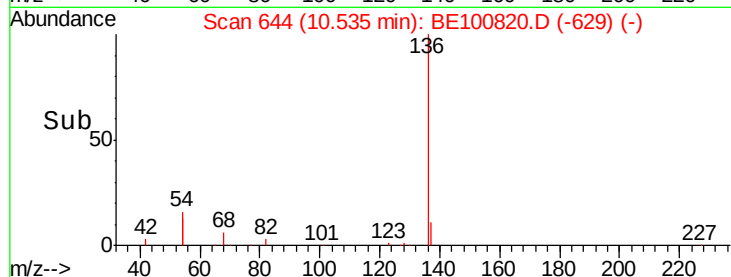


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.528 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

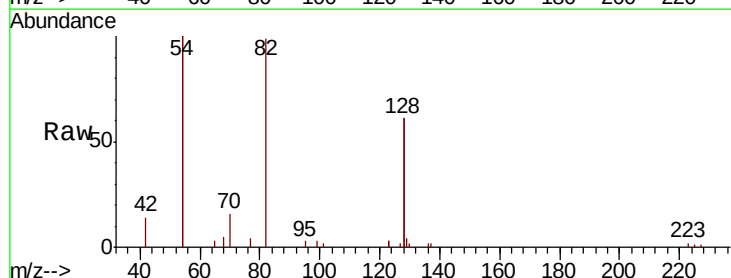
Tgt Ion: 82 Resp: 6133

Ion Ratio Lower Upper

82 100

128 122.7 97.0 145.4

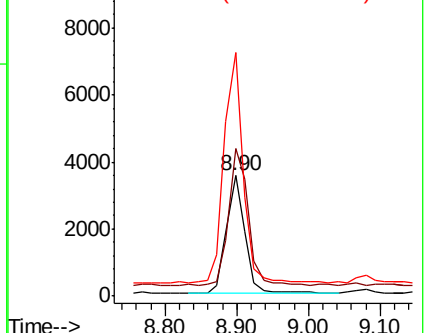
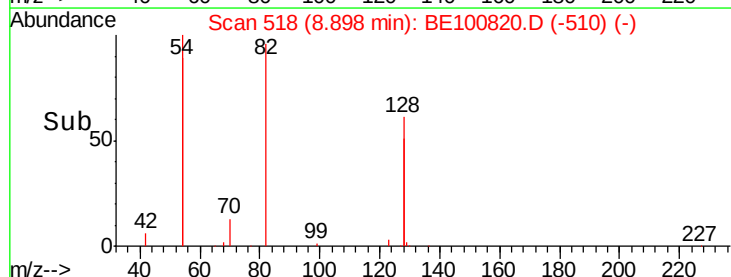
54 202.5 171.8 257.6

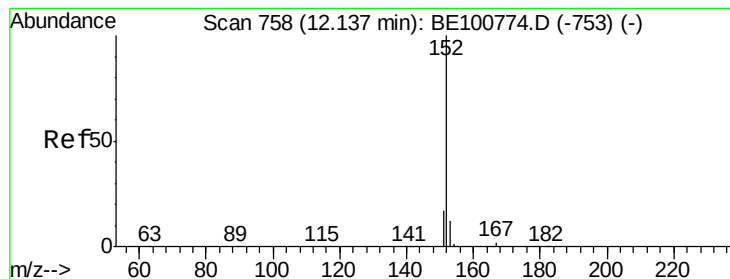


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.415 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

Instrument :

BNA_E

ClientSampleId :

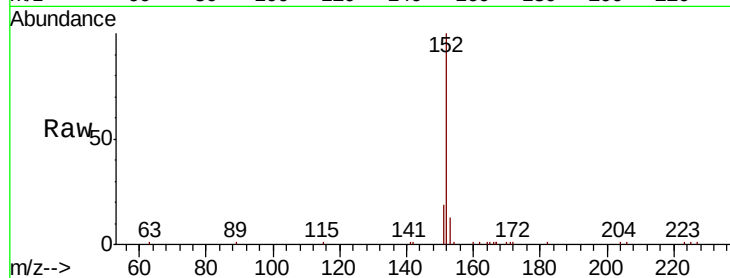
RE122D2-20191203

Tot Ion:152 Resp: 14689

Ion Ratio Lower Upper

152 100

151 19.6 15.8 23.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.14

8000

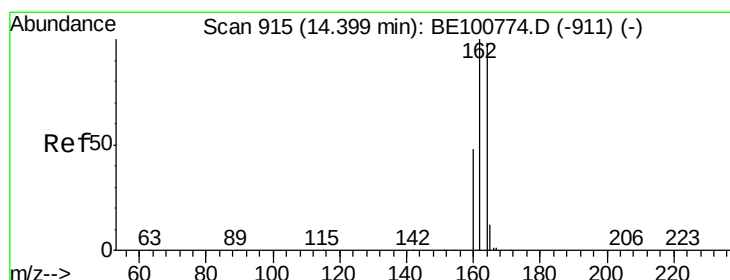
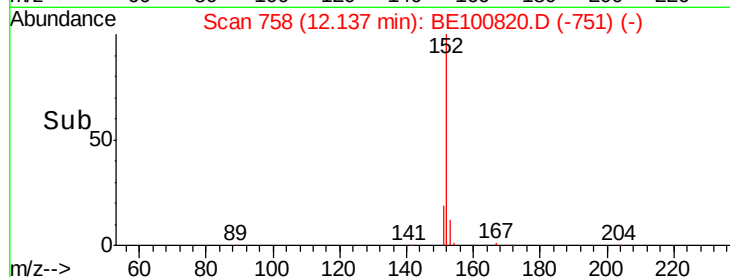
6000

4000

2000

0

Time--> 12.00 12.10 12.20 12.30



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. 0.00 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

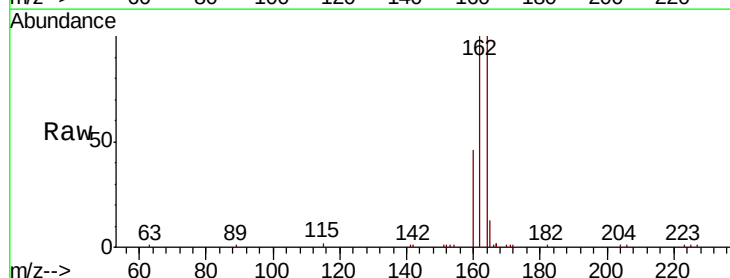
Tgt Ion:164 Resp: 14199

Ion Ratio Lower Upper

164 100

162 100.4 81.4 122.0

160 46.6 39.4 59.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.40

10000

8000

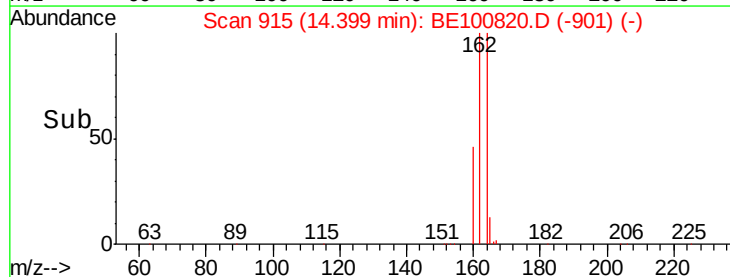
6000

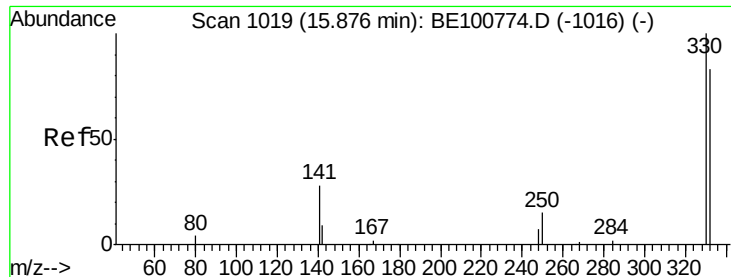
4000

2000

0

Time--> 14.30 14.40 14.50

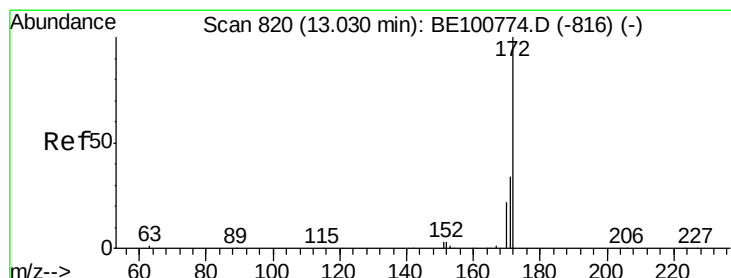
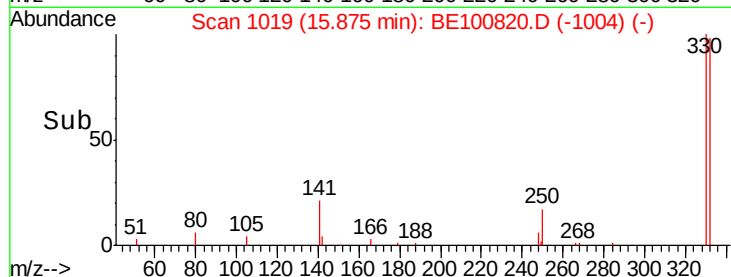
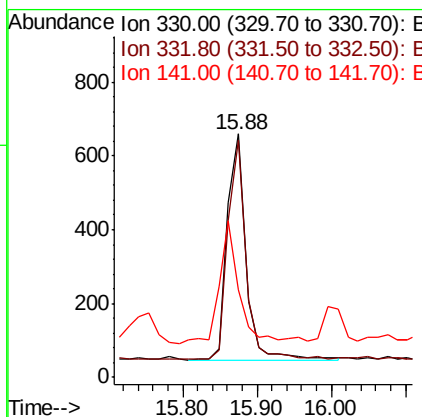
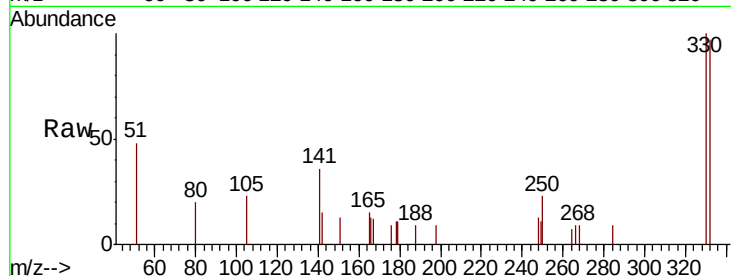




#14
 2,4,6-Tribromophenol
 Concen: 0.686 ng
 RT: 15.88 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: BE100820.D
 Acq: 10 Dec 2019 20:48

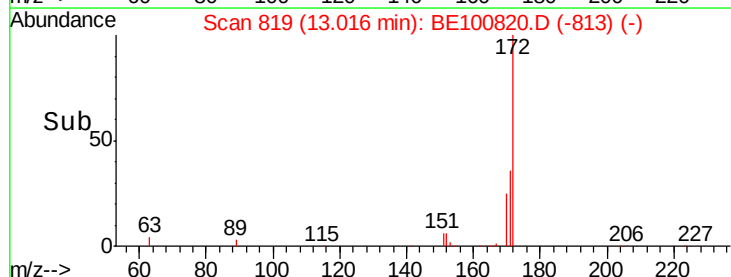
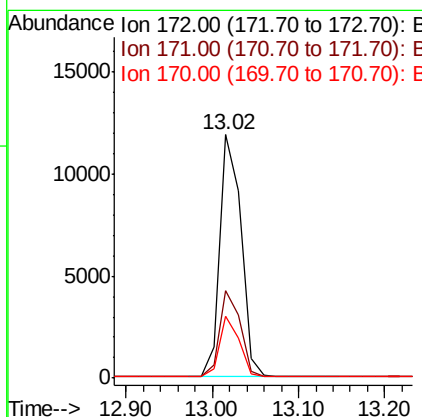
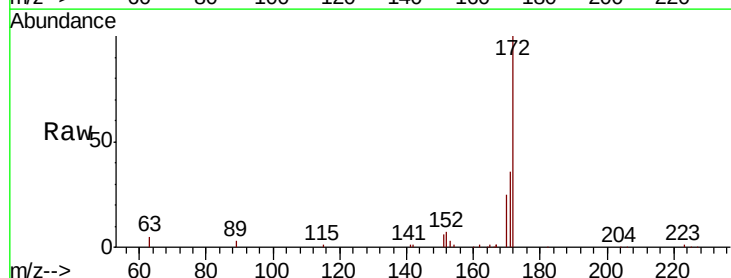
Instrument :
 BNA_E
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 RE122D2-20191203

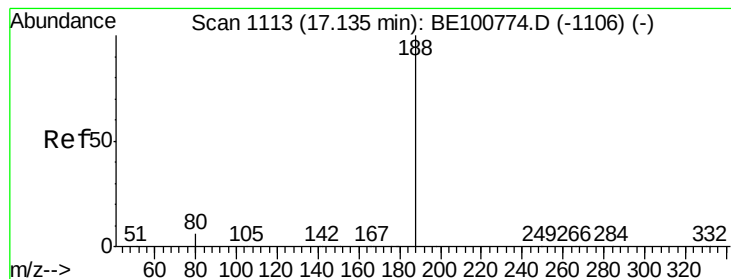
Tot Ion:330 Resp: 1084
 Ion Ratio Lower Upper
 330 100
 332 93.5 69.4 104.2
 141 58.7 51.1 76.7



#15
 2-Fluorobiphenyl
 Concen: 0.362 ng
 RT: 13.02 min Scan# 819
 Delta R.T. -0.01 min
 Lab File: BE100820.D
 Acq: 10 Dec 2019 20:48

Tgt Ion:172 Resp: 20382
 Ion Ratio Lower Upper
 172 100
 171 35.8 27.2 40.8
 170 25.2 18.0 27.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.01 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

Instrument :

BNA_E

ClientSampleId :

RE122D2-20191203

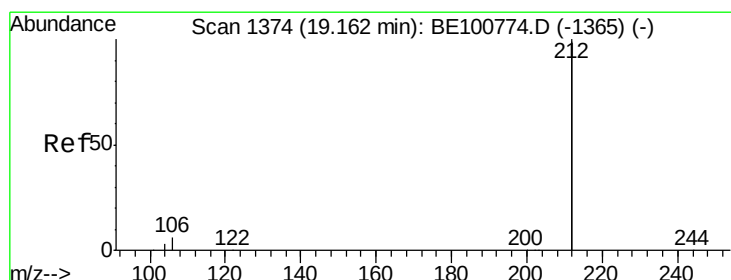
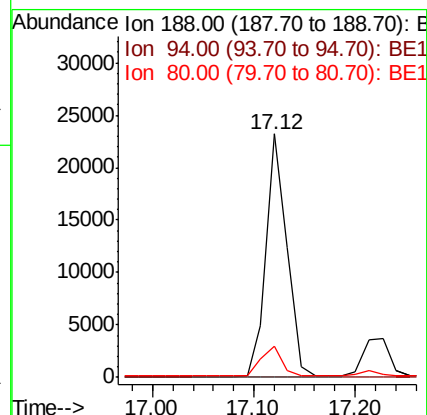
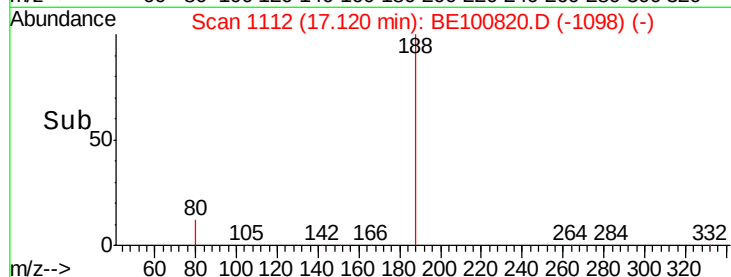
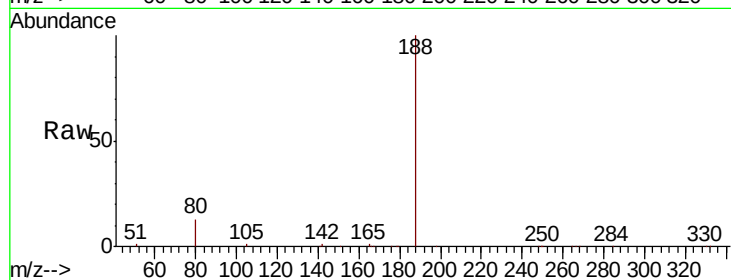
Tot Ion:188 Resp: 33494

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.6 5.2 7.8#



#25

Fluoranthene-d10

Concen: 0.389 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100820.D

Acq: 10 Dec 2019 20:48

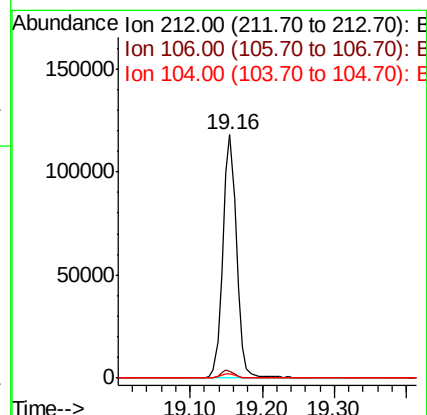
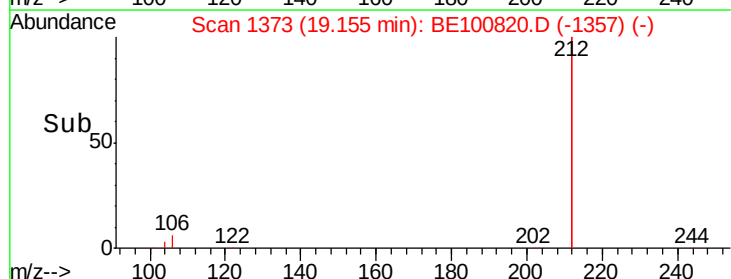
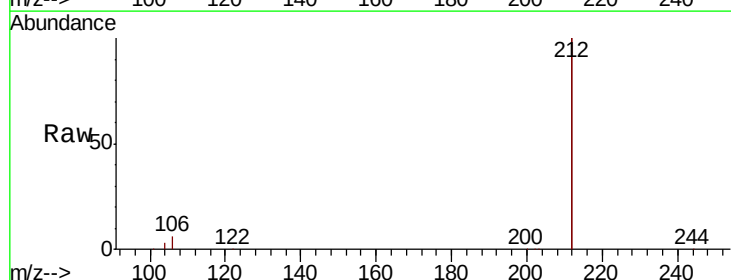
Tgt Ion:212 Resp: 153881

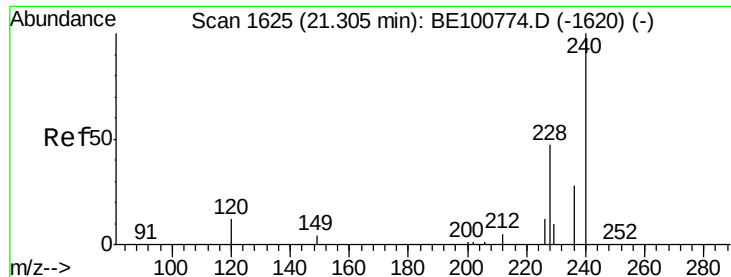
Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

104 1.8 1.4 2.2

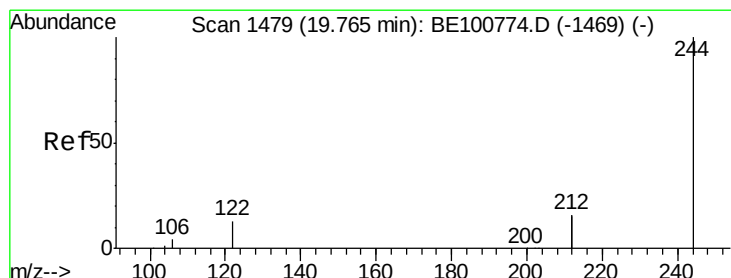
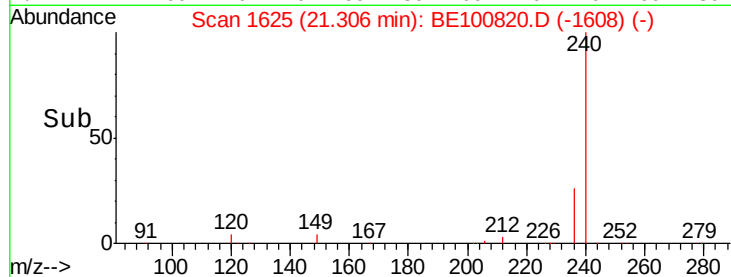
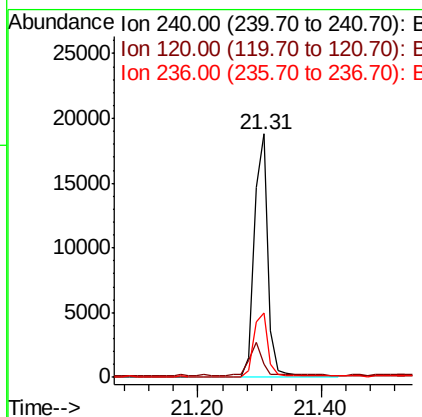
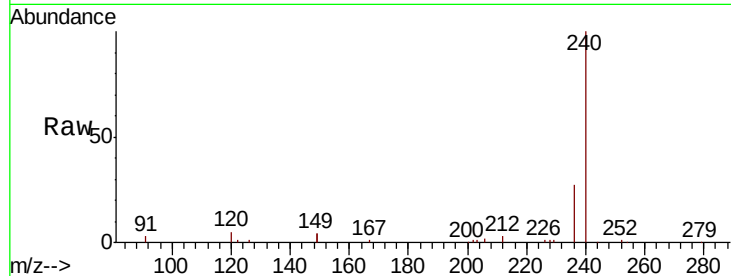




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100820.D
Acq: 10 Dec 2019 20:48

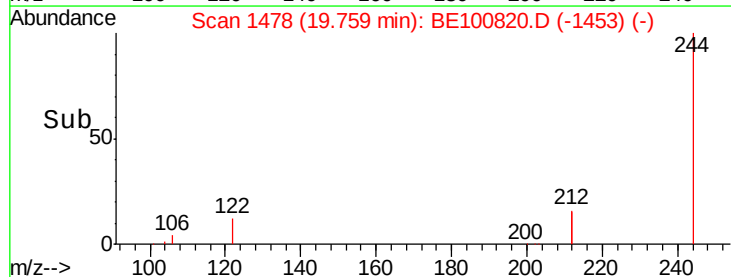
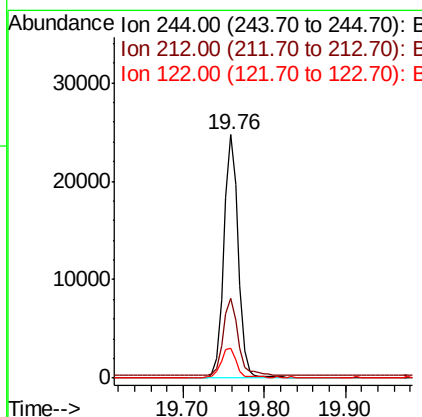
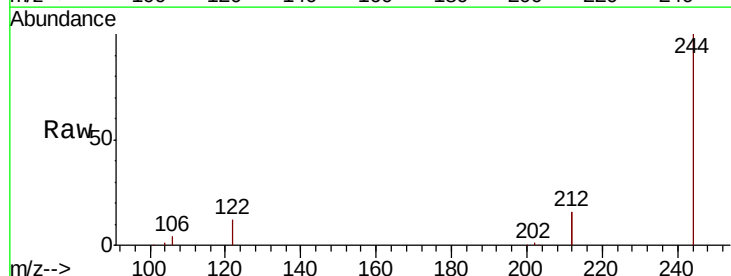
Instrument :
BNA_E
ClientSampleId :
RE122D2-20191203

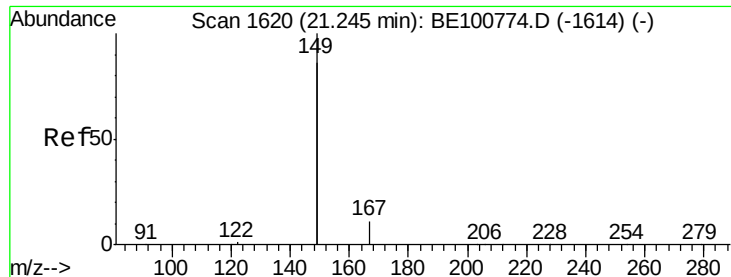
Tot Ion:240 Resp: 28786
Ion Ratio Lower Upper
240 100
120 5.2 10.2 15.2#
236 26.7 22.3 33.5



#29
Terphenyl-d14
Concen: 0.435 ng
RT: 19.76 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BE100820.D
Acq: 10 Dec 2019 20:48

Tgt Ion:244 Resp: 29985
Ion Ratio Lower Upper
244 100
212 32.7 26.2 39.4
122 12.0 10.2 15.4

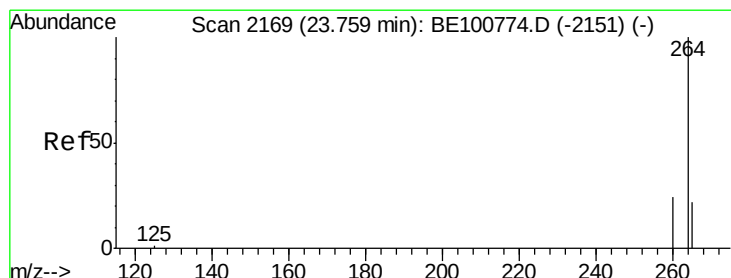
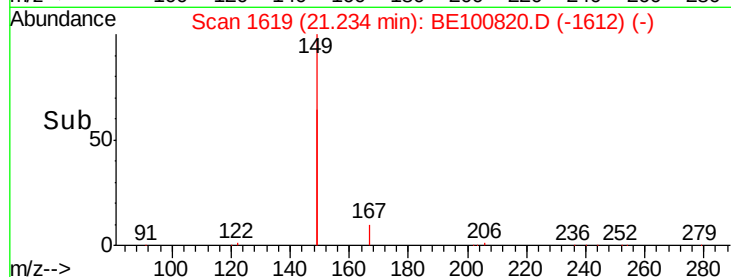
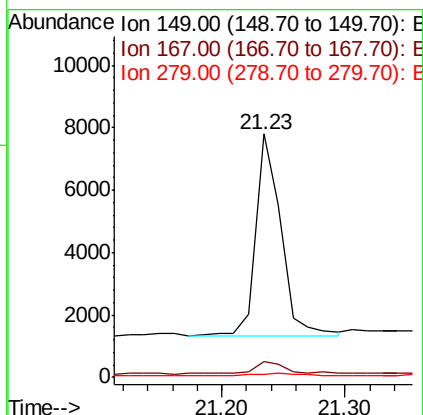
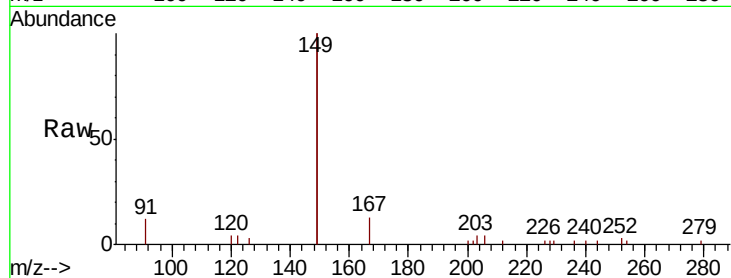




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.114 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100820.D
 Acq: 10 Dec 2019 20:48

Instrument :
 BNA_E
 ClientSampleId :
 RE122D2-20191203

Tot Ion:149 Resp: 9223
 Ion Ratio Lower Upper
 149 100
 167 7.3 5.0 7.6
 279 1.2 0.7 1.1#



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.75 min Scan# 2166
 Delta R.T. -0.01 min
 Lab File: BE100820.D
 Acq: 10 Dec 2019 20:48

Tgt Ion:264 Resp: 34535
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.4 29.2
 265 24.9 21.8 32.8

