

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
 Data File : BE100828.D
 Acq On : 11 Dec 2019 2:22
 Operator : JU
 Sample : K6184-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-20191204

Quant Time: Dec 11 05:42:41 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

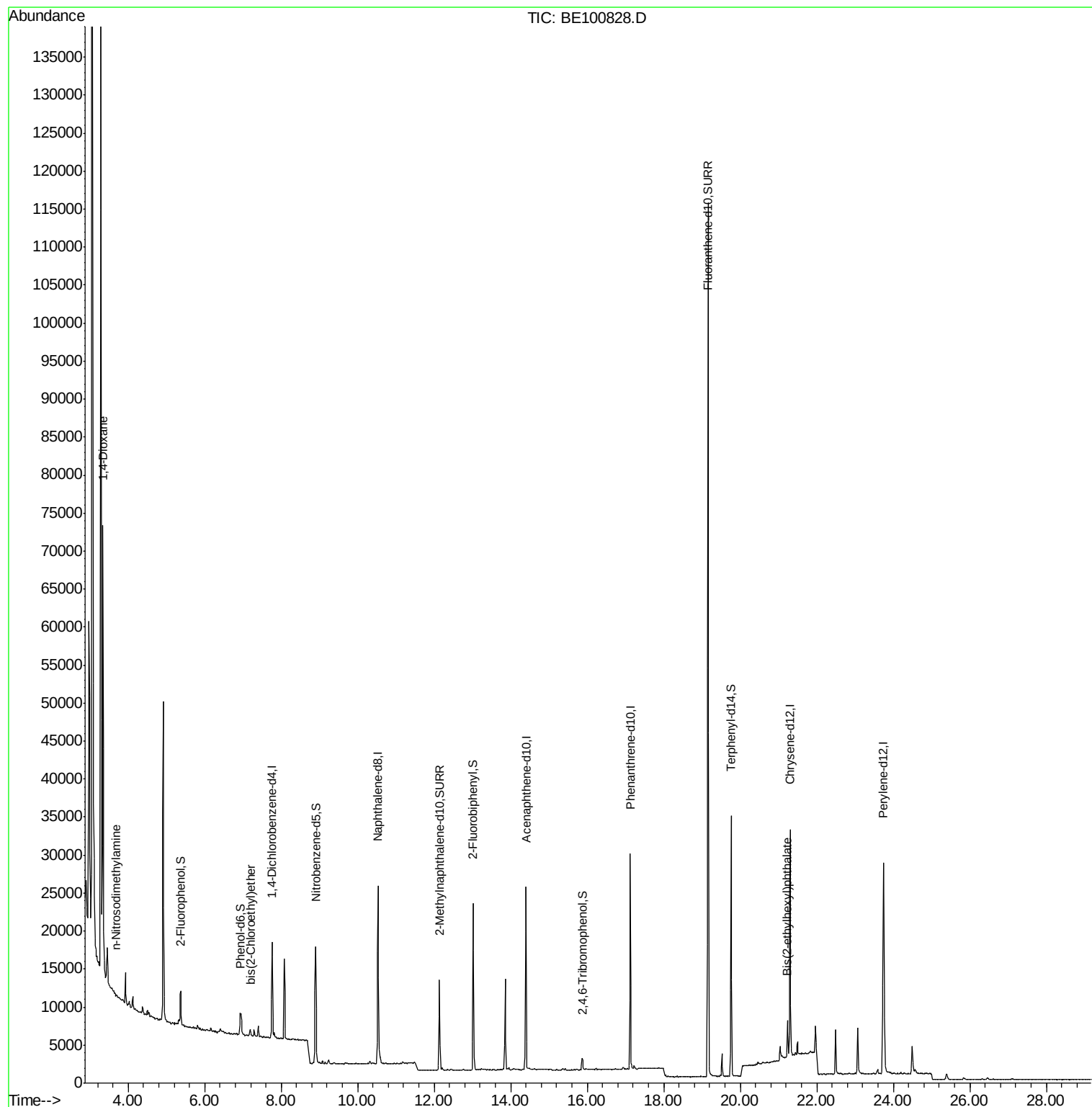
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	5682	0.40	ng	-0.01
7) Naphthalene-d8	10.54	136	26066	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	15148	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	35573	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	30239	0.40	ng	0.00
34) Perylene-d12	23.75	264	38790	0.40	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	2436	0.18	ng	0.00
5) Phenol-d6	6.93	99	2405	0.12	ng	0.00
8) Nitrobenzene-d5	8.90	82	6357	0.51	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	15385	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	948	0.56	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	21454	0.36	ng	-0.01
25) Fluoranthene-d10	19.15	212	147809	0.35	ng	0.00
29) Terphenyl-d14	19.76	244	28117	0.39	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.33	88	33838	3.266	ng	Qvalue 89
3) n-Nitrosodimethylamine	3.69	42	178	0.021	ng	# 1
6) bis(2-Chloroethyl)ether	7.19	93	481	0.024	ng	73
32) Bis(2-ethylhexyl)phthalate	21.23	149	6294	0.040	ng	# 95

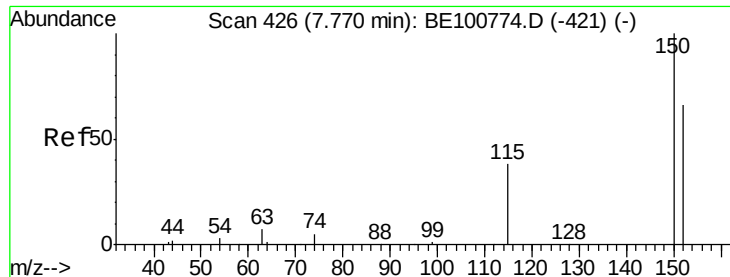
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 04 17:18:11 2019
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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: BE100828.D

Acq: 11 Dec 2019 2:22

Instrument :

BNA_E

ClientSampleId :

RE109D3-20191204

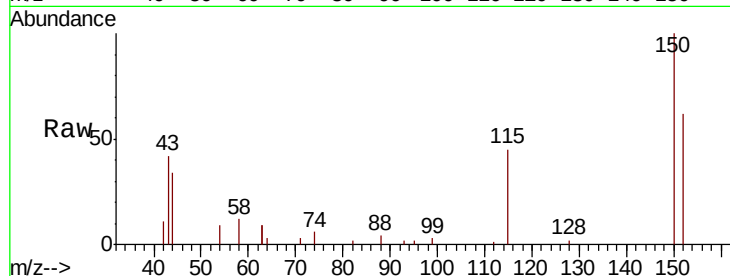
Tot Ion:152 Resp: 5682

Ion Ratio Lower Upper

152 100

150 161.3 120.6 181.0

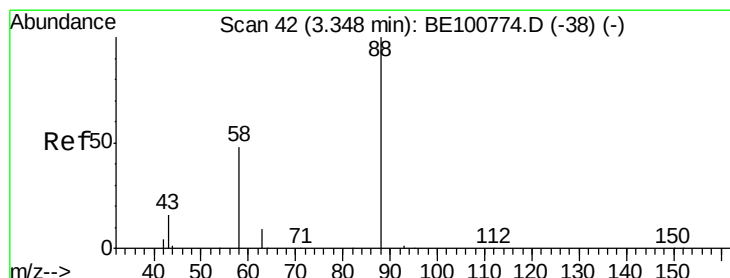
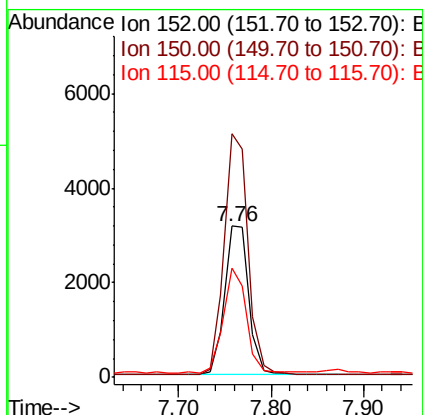
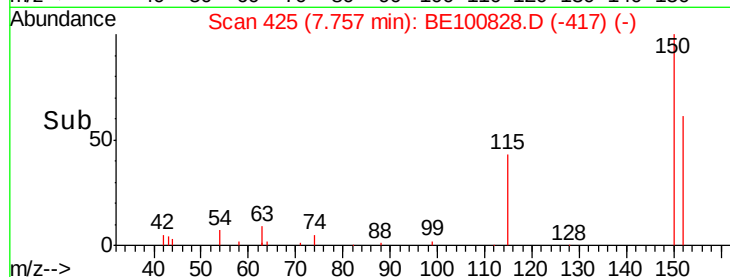
115 72.4 47.4 71.2#



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: 3.266 ng

RT: 3.33 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

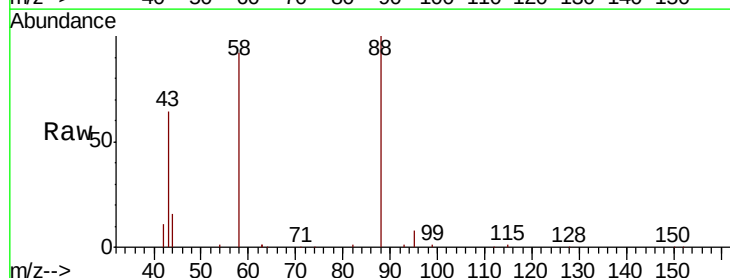
Tgt Ion: 88 Resp: 33838

Ion Ratio Lower Upper

88 100

58 75.2 52.5 78.7

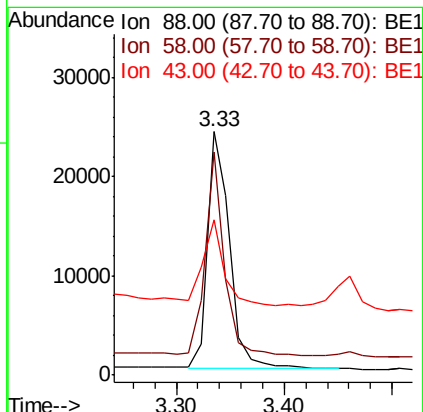
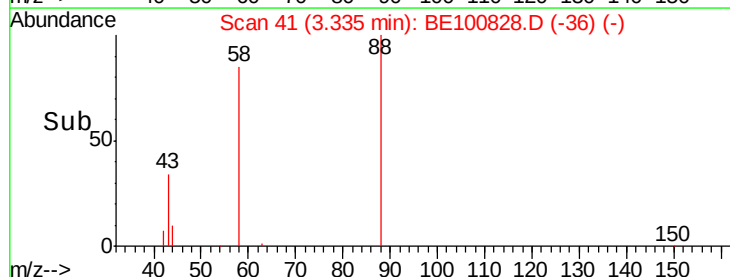
43 33.5 23.0 34.6

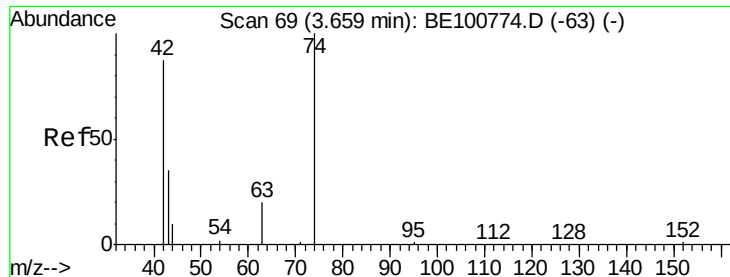


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.021 ng

RT: 3.69 min Scan# 72

Delta R.T. 0.03 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

Instrument :

BNA_E

ClientSampleId :

RE109D3-20191204

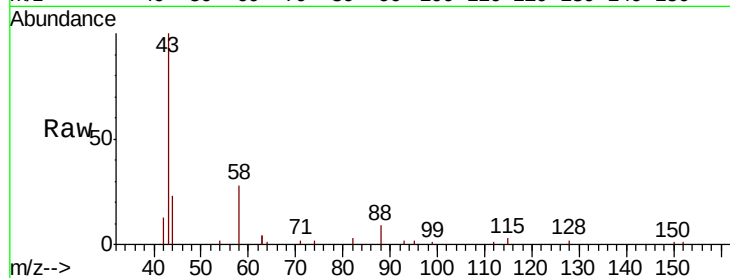
Tot Ion: 42 Resp: 178

Ion Ratio Lower Upper

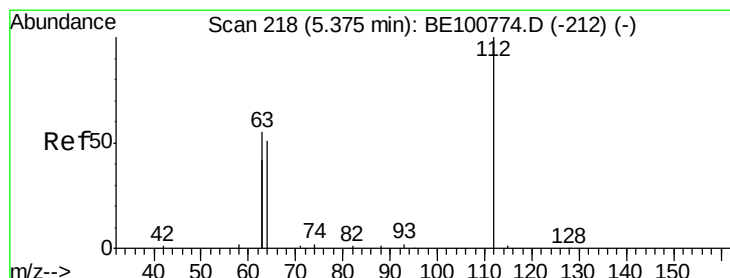
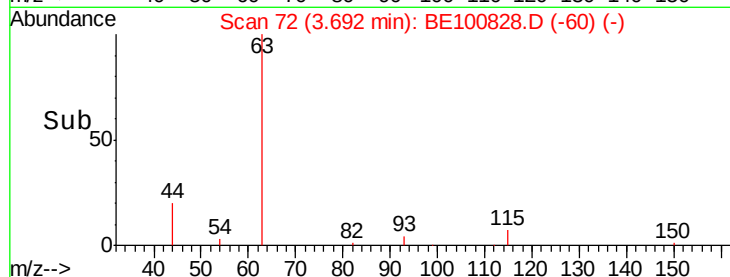
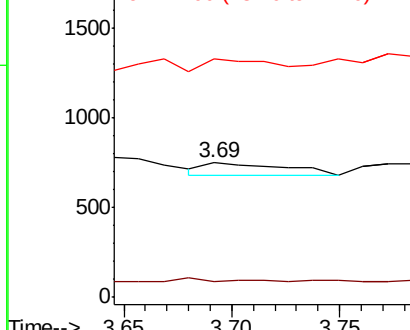
42 100

74 10.7 86.3 129.5#

44 88.8 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: 0.181 ng

RT: 5.37 min Scan# 218

Delta R.T. -0.00 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

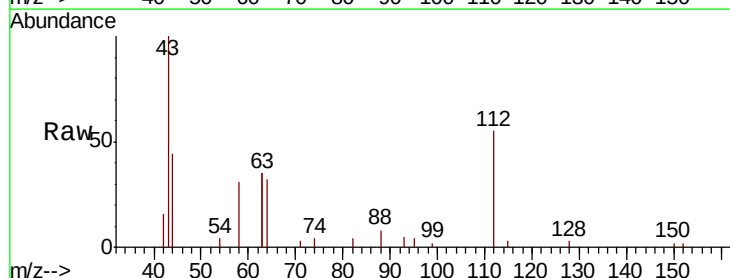
Tgt Ion: 112 Resp: 2436

Ion Ratio Lower Upper

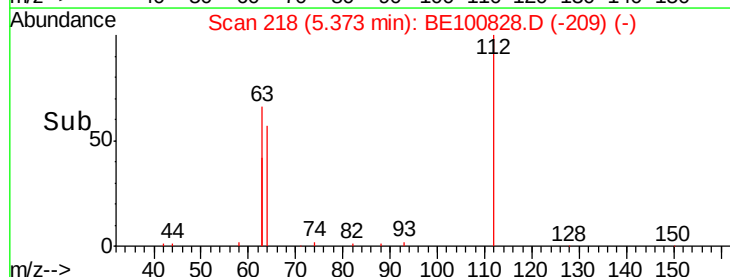
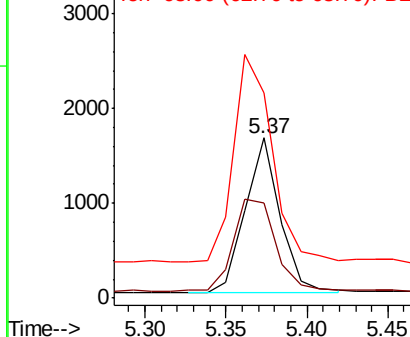
112 100

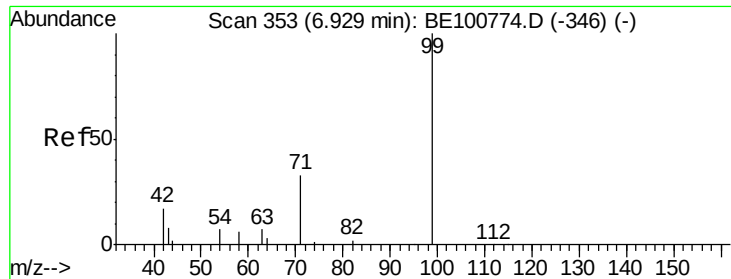
64 71.3 54.1 81.1

63 146.7 113.2 169.8



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: 0.118 ng

RT: 6.93 min Scan# 353

Delta R.T. -0.00 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

Instrument :

BNA_E

ClientSampleId :

RE109D3-20191204

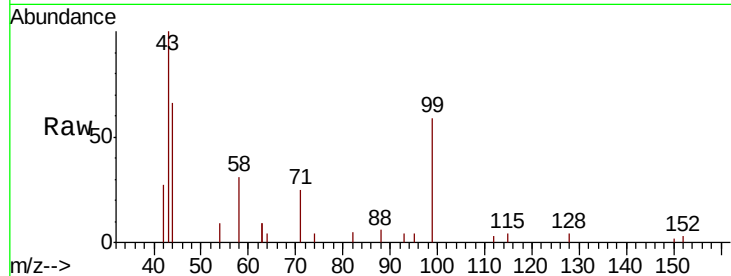
Tot Ion: 99 Resp: 2405

Ion Ratio Lower Upper

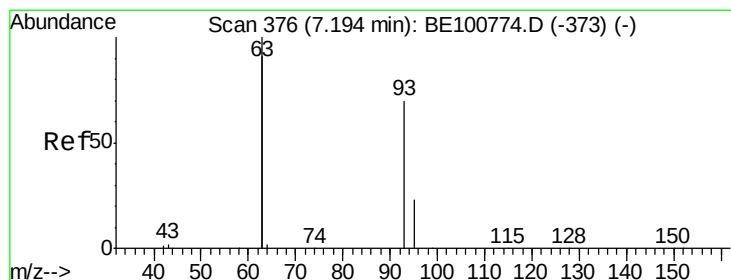
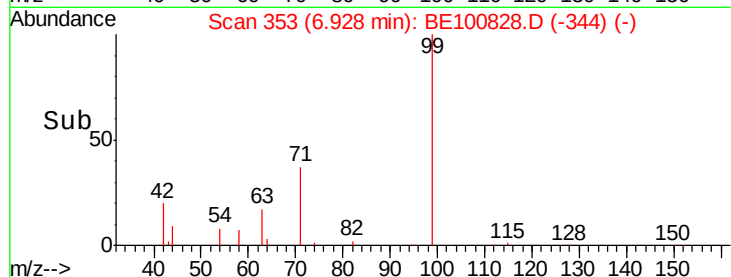
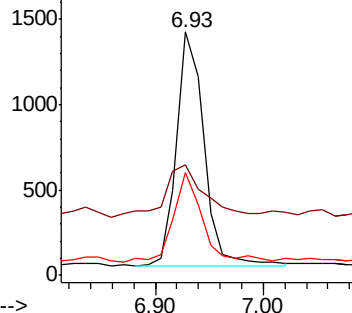
99 100

42 32.4 19.1 28.7#

71 40.0 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: 0.024 ng

RT: 7.19 min Scan# 376

Delta R.T. -0.00 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

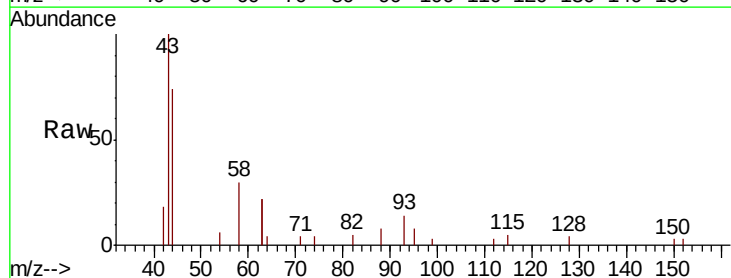
Tgt Ion: 93 Resp: 481

Ion Ratio Lower Upper

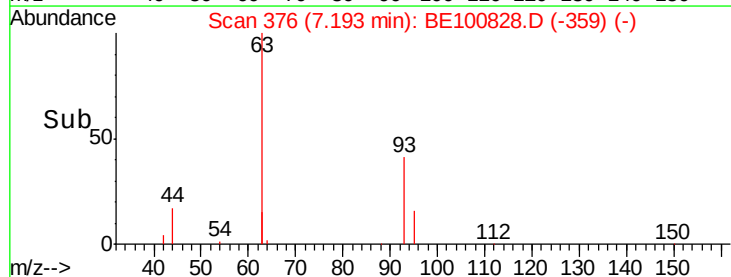
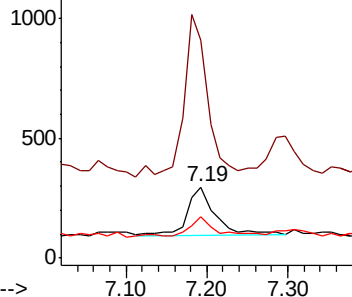
93 100

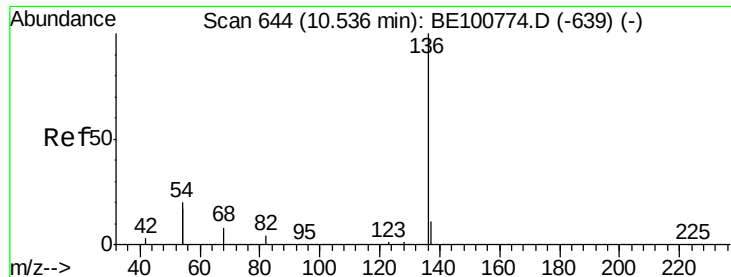
63 264.2 259.4 389.0

95 34.7 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: BE100828.D

Acq: 11 Dec 2019 2:22

Instrument :

BNA_E

ClientSampleId :

RE109D3-20191204

Tot Ion:136 Resp: 26066

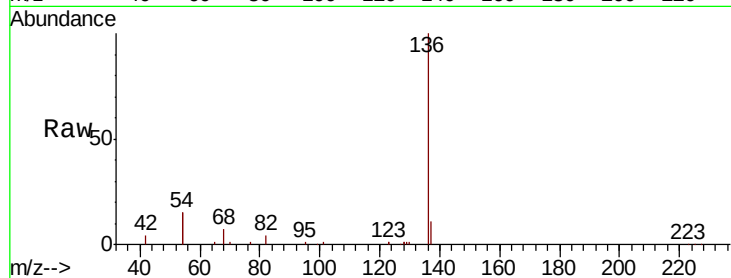
Ion Ratio Lower Upper

136 100

137 11.4 9.4 14.0

54 30.8 31.1 46.7#

68 6.7 6.6 10.0

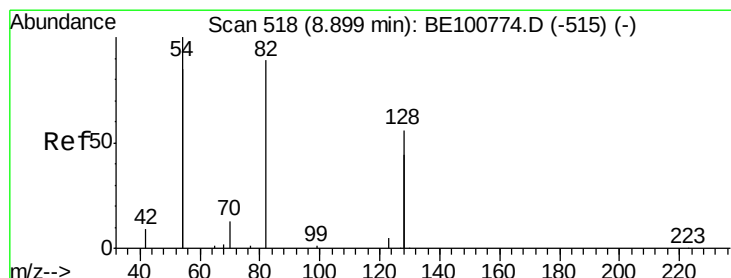
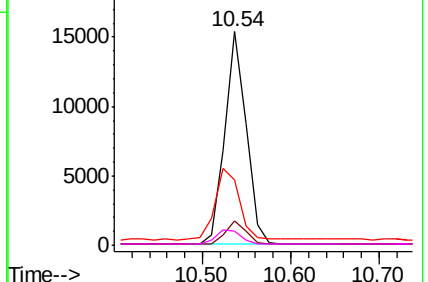
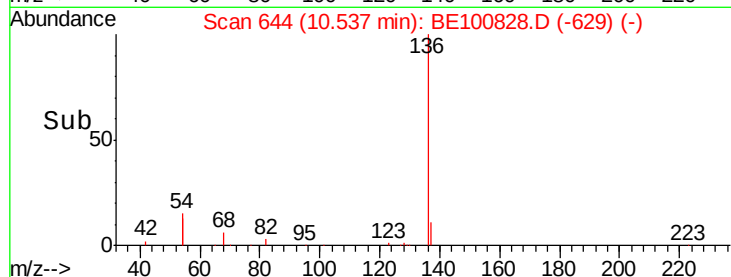


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.512 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

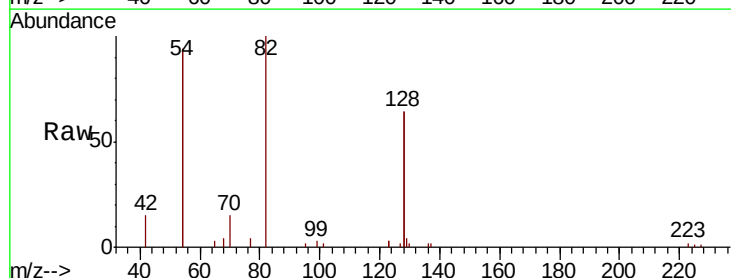
Tgt Ion: 82 Resp: 6357

Ion Ratio Lower Upper

82 100

128 127.8 97.0 145.4

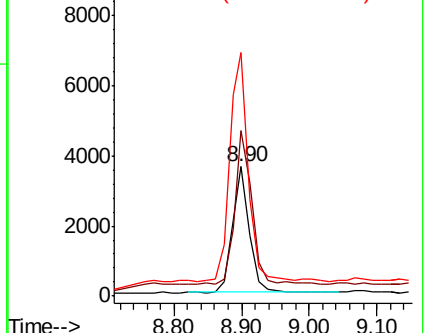
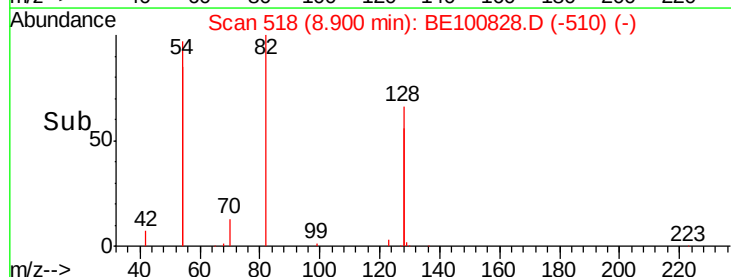
54 188.3 171.8 257.6

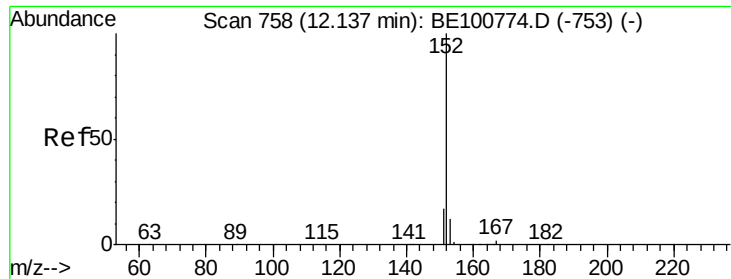


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

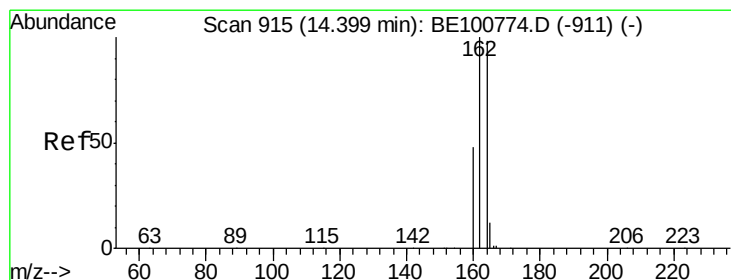
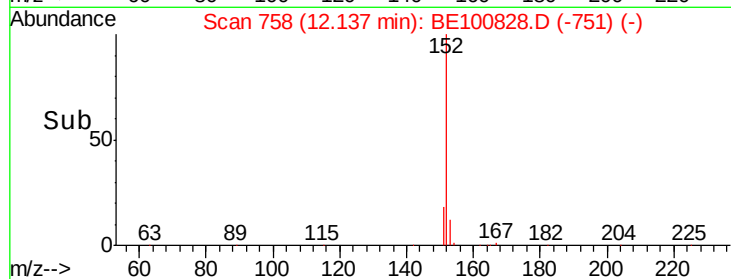
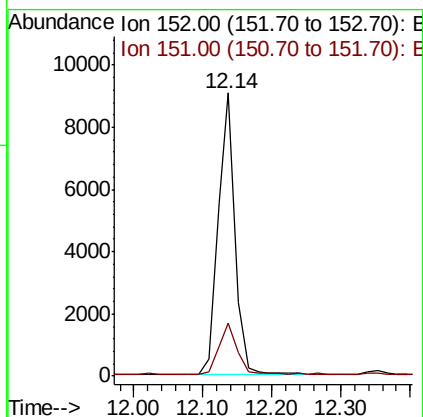
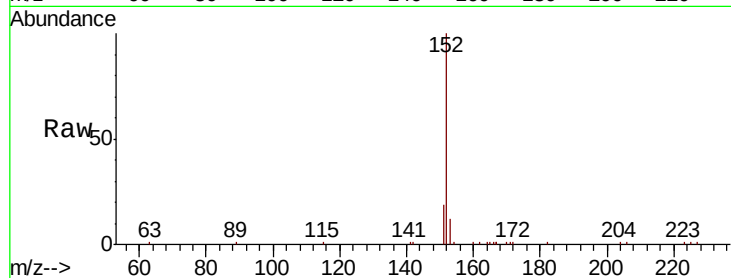




#11
 2-Methylnaphthalene-d10
 Concen: 0.407 ng
 RT: 12.14 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: BE100828.D
 Acq: 11 Dec 2019 2:22

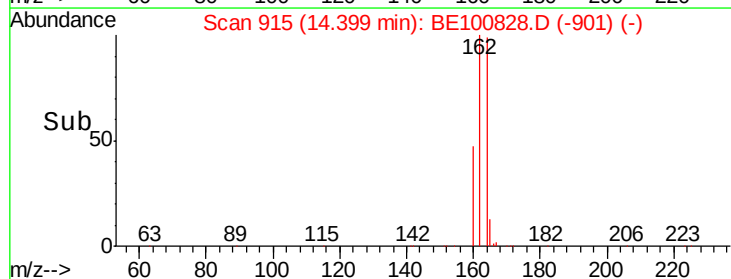
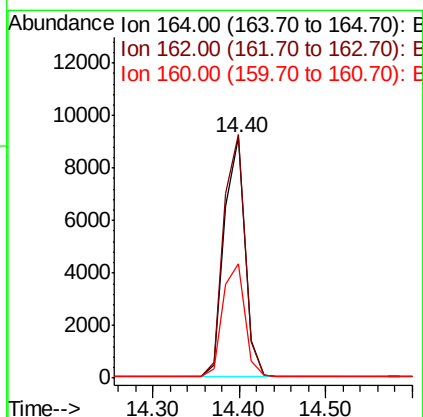
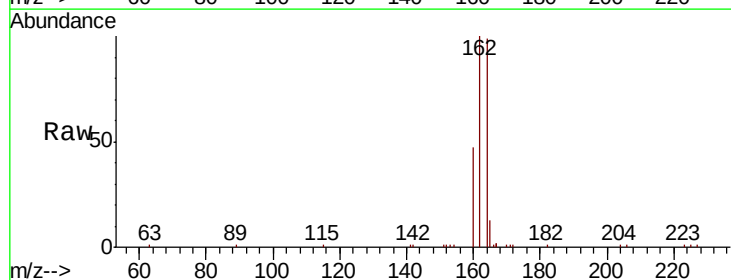
Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-20191204

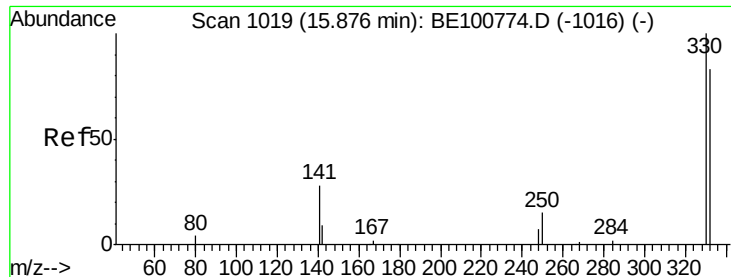
Tot Ion:152 Resp: 15385
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.8 23.8



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.40 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: BE100828.D
 Acq: 11 Dec 2019 2:22

Tgt Ion:164 Resp: 15148
 Ion Ratio Lower Upper
 164 100
 162 101.2 81.4 122.0
 160 47.5 39.4 59.0





#14

2,4,6-Tribromophenol

Concen: 0.563 ng

RT: 15.88 min Scan# 1019

Delta R.T. 0.00 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

Instrument :

BNA_E

ClientSampleId :

RE109D3-20191204

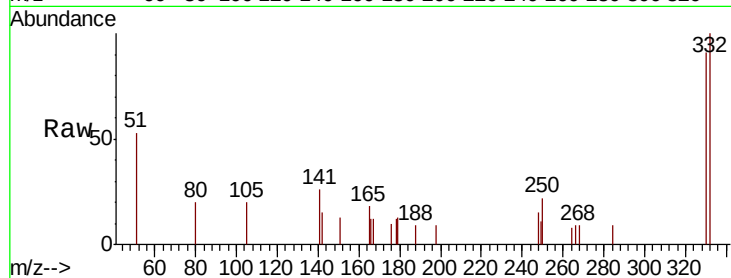
Tot Ion:330 Resp: 948

Ion Ratio Lower Upper

330 100

332 105.7 69.4 104.2#

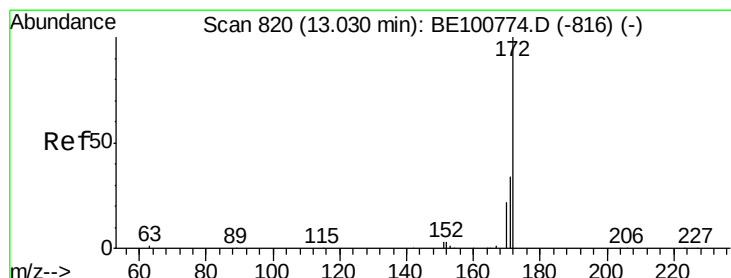
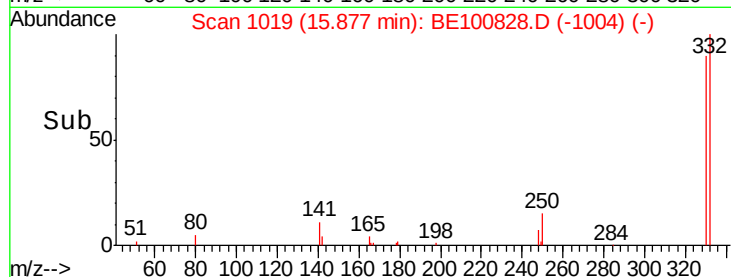
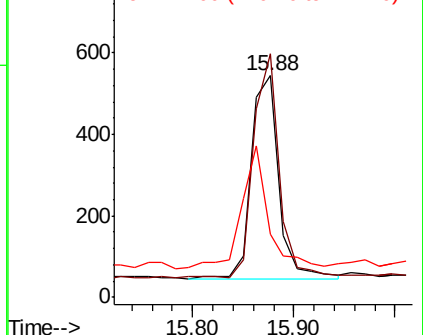
141 58.8 51.1 76.7



Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#15

2-Fluorobiphenyl

Concen: 0.357 ng

RT: 13.02 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

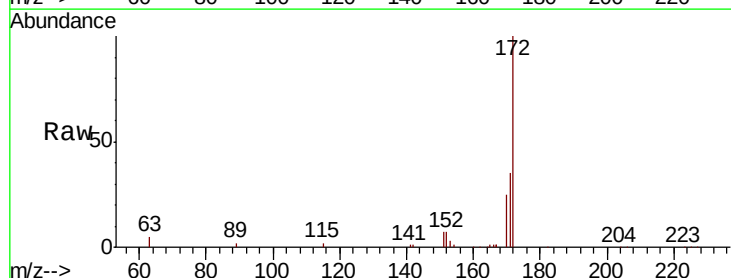
Tgt Ion:172 Resp: 21454

Ion Ratio Lower Upper

172 100

171 35.3 27.2 40.8

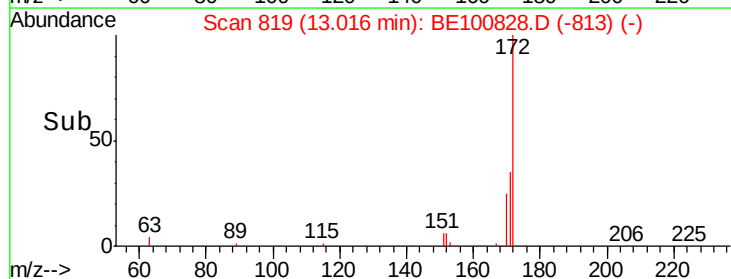
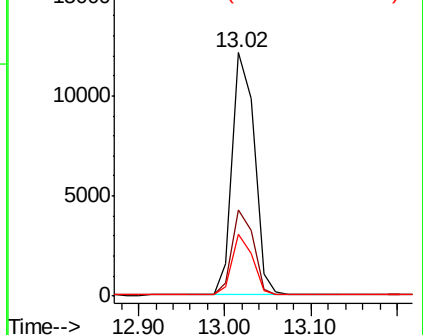
170 25.4 18.0 27.0

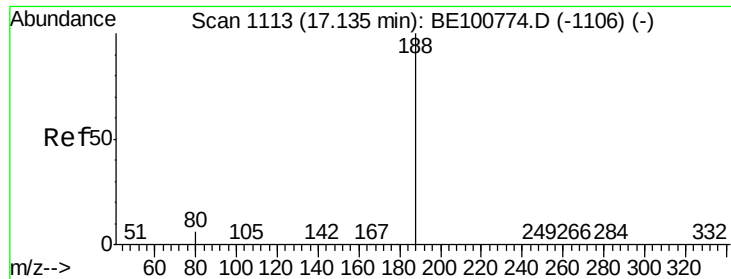


Abundance Ion 172.00 (171.70 to 172.70): E

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. -0.01 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

Instrument :

BNA_E

ClientSampleId :

RE109D3-20191204

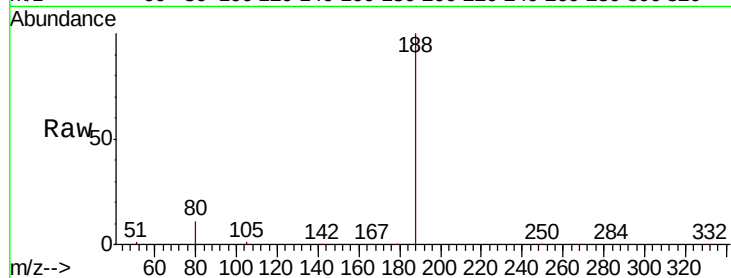
Tot Ion:188 Resp: 35573

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

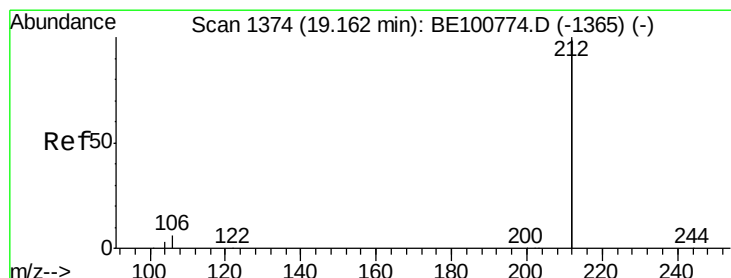
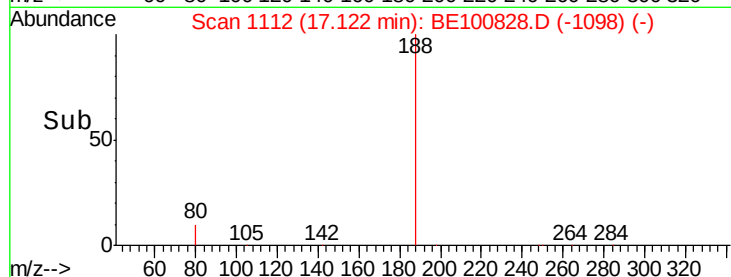
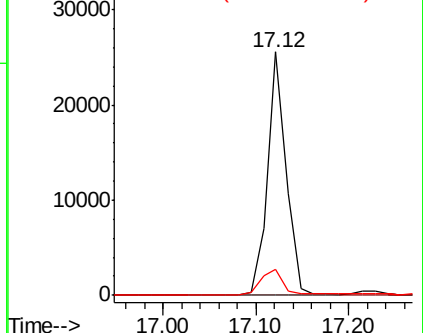
80 10.8 5.2 7.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#25

Fluoranthene-d10

Concen: 0.352 ng

RT: 19.15 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

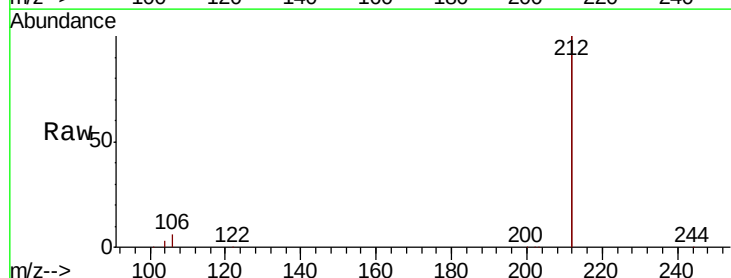
Tgt Ion:212 Resp: 147809

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

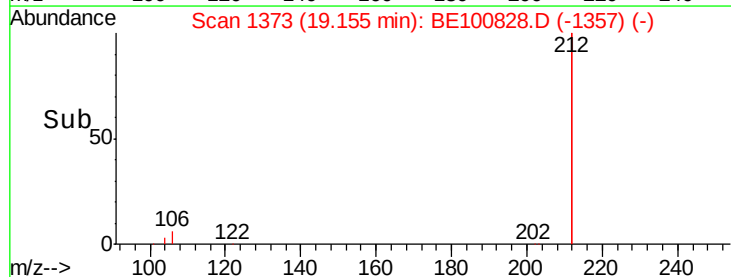
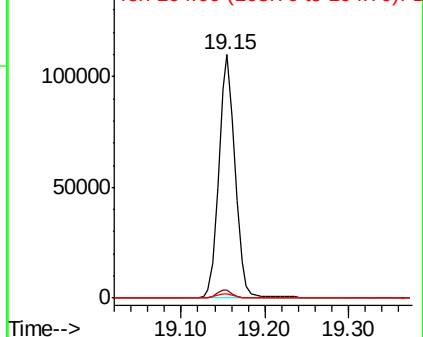
104 1.8 1.4 2.2

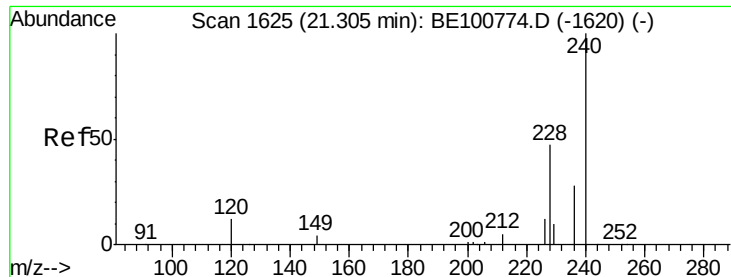


Abundance Ion 212.00 (211.70 to 212.70): E

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: 21.31 min Scan# 1625

Delta R.T. -0.00 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

Instrument :

BNA_E

ClientSampleId :

RE109D3-20191204

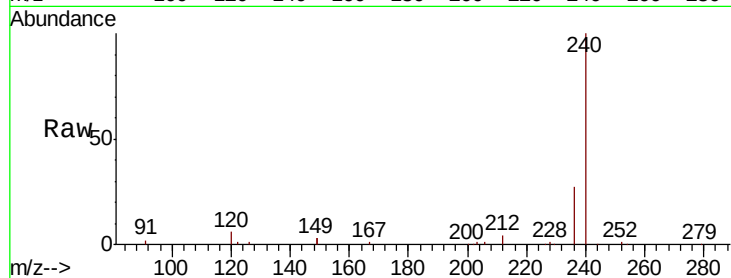
Tot Ion:240 Resp: 30239

Ion Ratio Lower Upper

240 100

120 6.4 10.2 15.2#

236 26.8 22.3 33.5

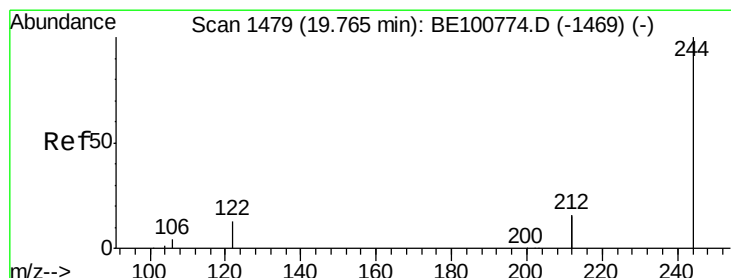
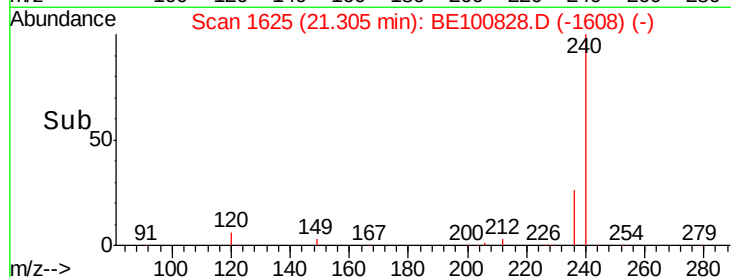
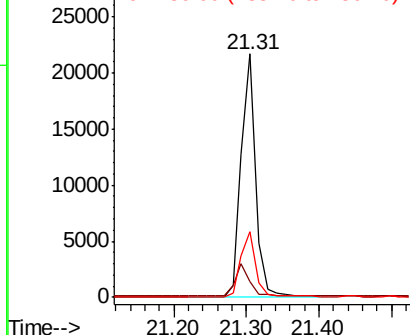


Abundance

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



#29

Terphenyl-d14

Concen: 0.388 ng

RT: 19.76 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BE100828.D

Acq: 11 Dec 2019 2:22

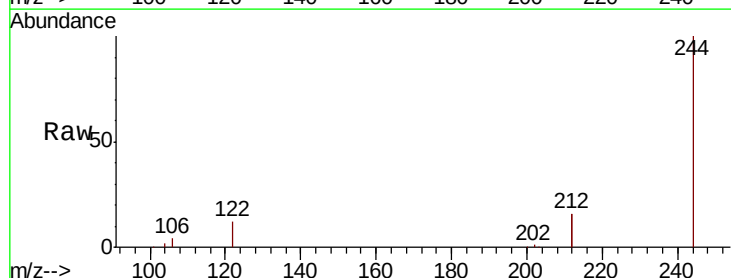
Tgt Ion:244 Resp: 28117

Ion Ratio Lower Upper

244 100

212 32.0 26.2 39.4

122 12.2 10.2 15.4

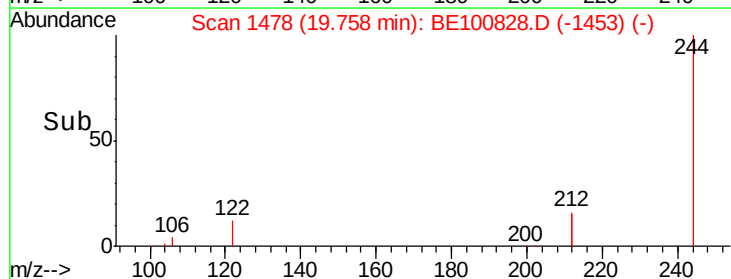
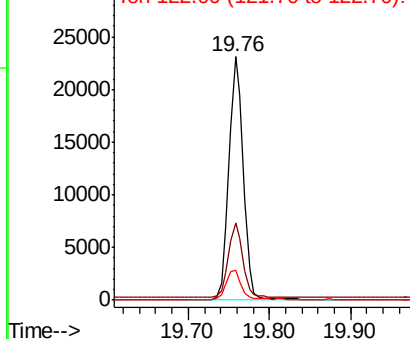


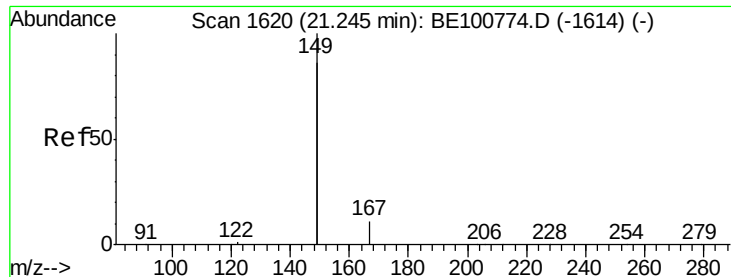
Abundance

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

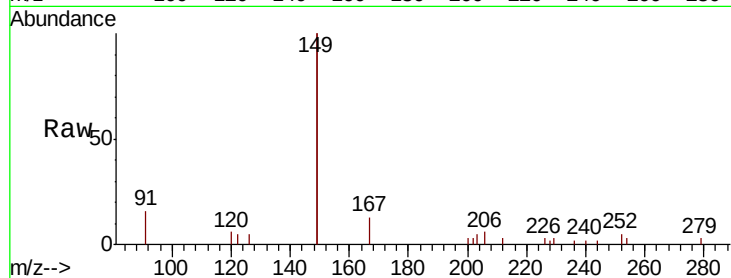




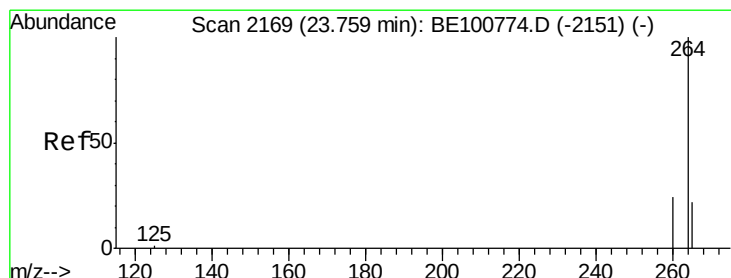
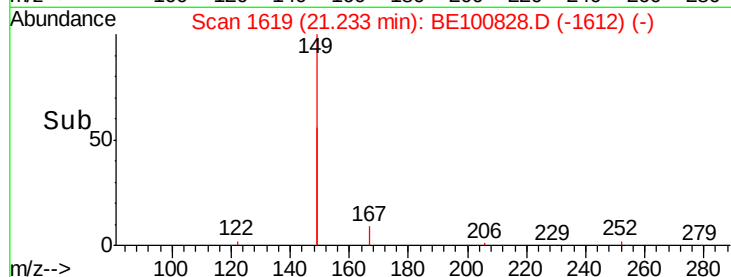
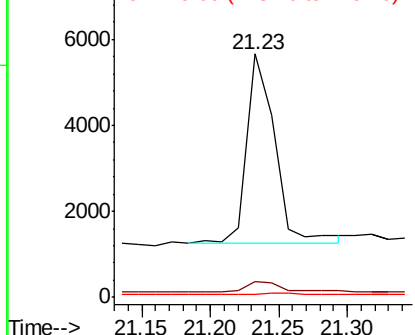
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.040 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BE100828.D
 Acq: 11 Dec 2019 2:22

Instrument :
 BNA_E
 ClientSampleId :
 RE109D3-20191204

Tot Ion:149 Resp: 6294
 Ion Ratio Lower Upper
 149 100
 167 8.3 5.0 7.6#
 279 0.9 0.7 1.1

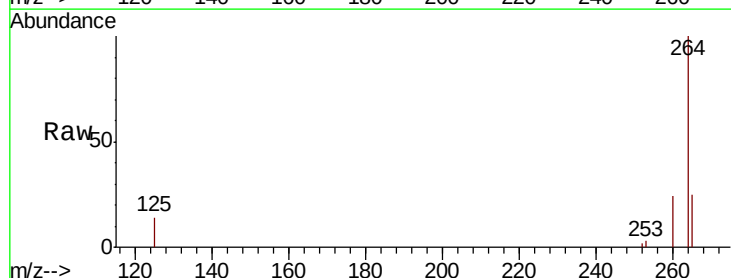


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.75 min Scan# 2165
 Delta R.T. -0.01 min
 Lab File: BE100828.D
 Acq: 11 Dec 2019 2:22

Tgt Ion:264 Resp: 38790
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.4 29.2
 265 24.6 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

