

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121119\
 Data File : BE100851.D
 Acq On : 11 Dec 2019 18:08
 Operator : JU
 Sample : K6185-17
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE132D7-20191205

Quant Time: Dec 12 04:42:58 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

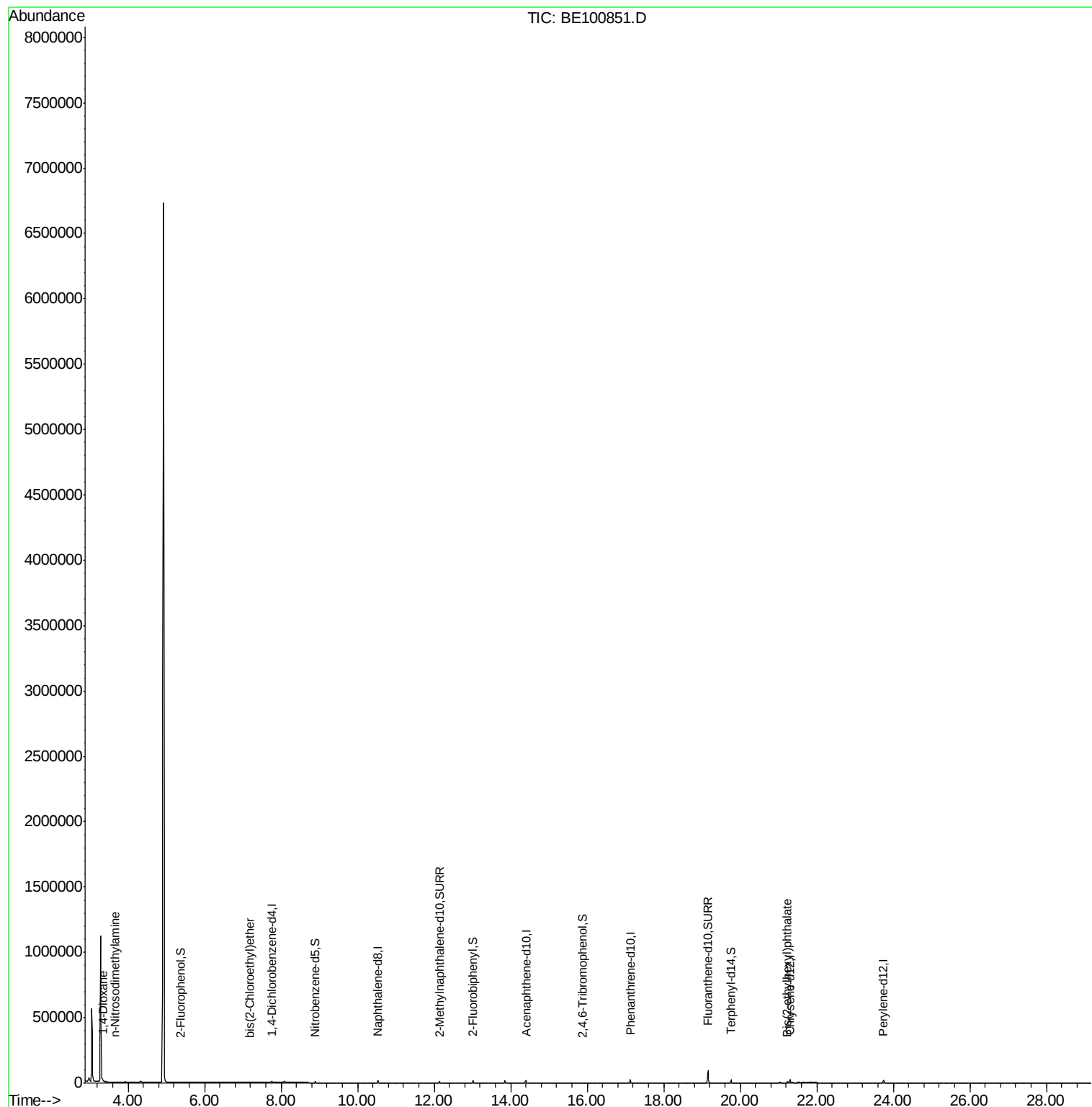
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4885	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	22800	0.40	ng	0.00
13) Acenaphthene-d10	14.40	164	13535	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	32068	0.40	ng	-0.01
27) Chrysene-d12	21.31	240	27303	0.40	ng	0.00
34) Perylene-d12	23.74	264	31875	0.40	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.38	112	347	0.03	ng	0.00
5) Phenol-d6	6.93	99	215	0.01	ng	0.00
8) Nitrobenzene-d5	8.90	82	4096	0.38	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	13368	0.40	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	109	0.07	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	18825	0.35	ng	-0.01
25) Fluoranthene-d10	19.16	212	130570	0.34	ng	0.00
29) Terphenyl-d14	19.76	244	26833	0.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	10746	1.207	ng	# 82
3) n-Nitrosodimethylamine	3.67	42	188	0.026	ng	# 17
6) bis(2-Chloroethyl)ether	7.19	93	459	0.027	ng	# 96
32) Bis(2-ethylhexyl)phthalate	21.23	149	14196	0.233	ng	98

(#) = 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
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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: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

RE132D7-20191205

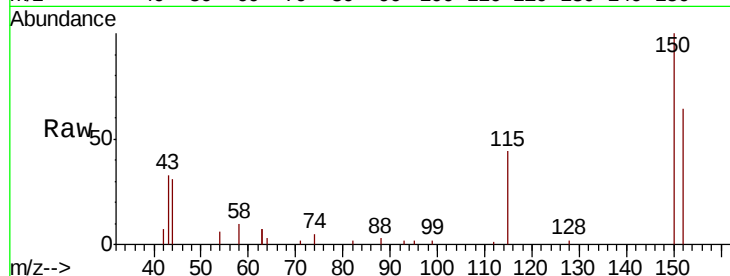
Tot Ion:152 Resp: 4885

Ion Ratio Lower Upper

152 100

150 155.4 120.6 181.0

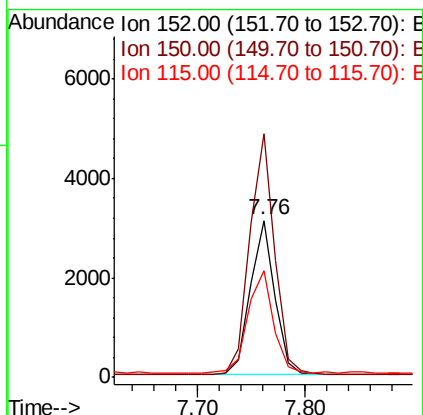
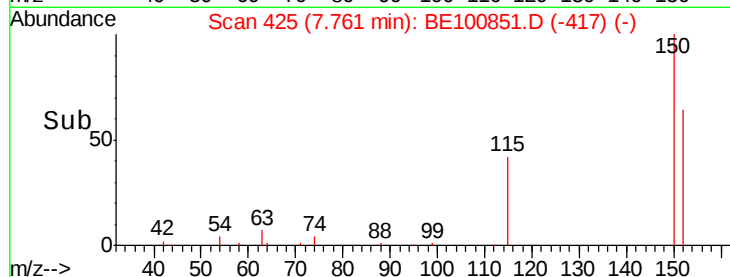
115 67.7 47.4 71.2



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: 1.207 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.01 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

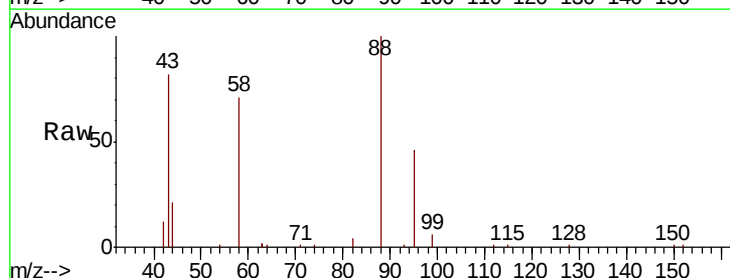
Tgt Ion: 88 Resp: 10746

Ion Ratio Lower Upper

88 100

58 78.3 52.5 78.7

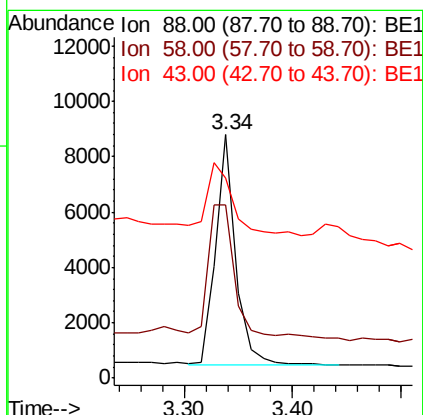
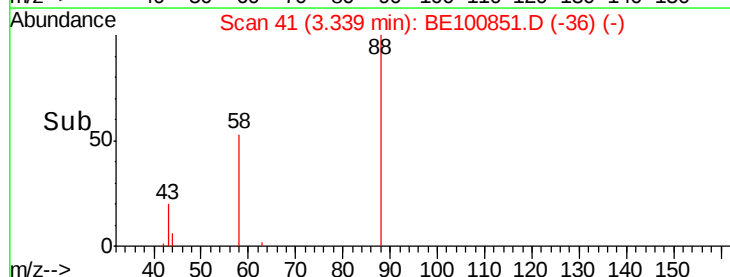
43 41.5 23.0 34.6#



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: 0.026 ng

RT: 3.67 min Scan# 70

Delta R.T. 0.01 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

RE132D7-20191205

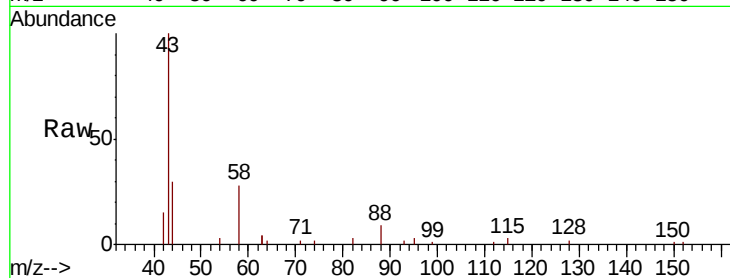
Tot Ion: 42 Resp: 188

Ion Ratio Lower Upper

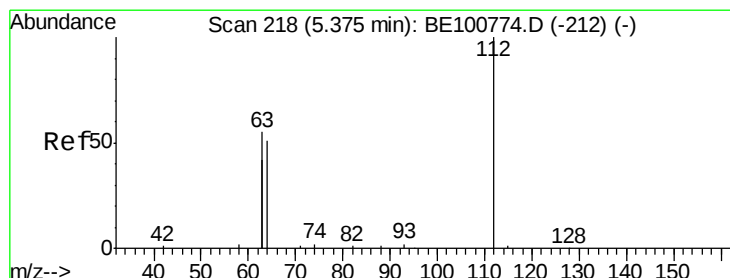
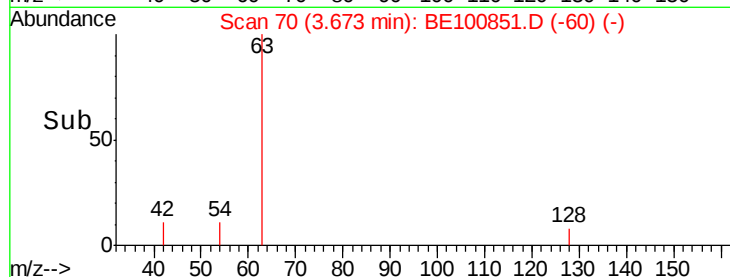
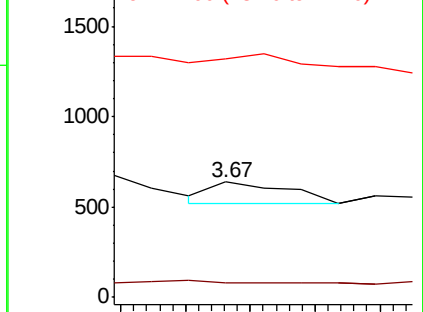
42 100

74 14.4 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: 0.030 ng

RT: 5.38 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

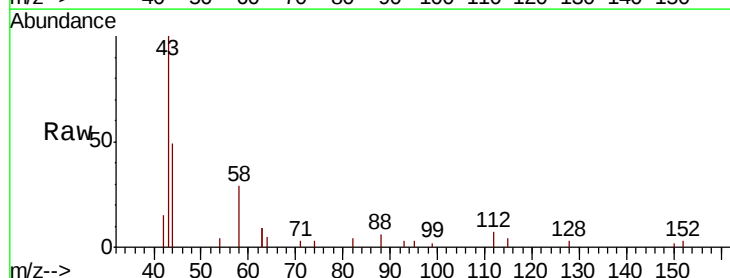
Tgt Ion: 112 Resp: 347

Ion Ratio Lower Upper

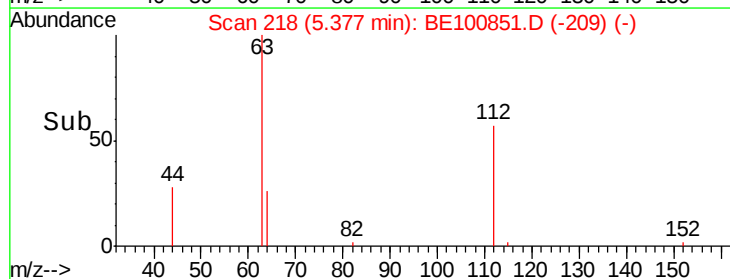
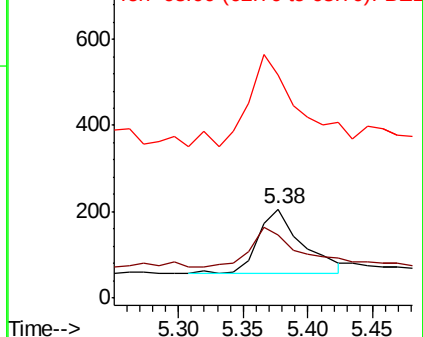
112 100

64 68.3 54.1 81.1

63 150.4 113.2 169.8



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: 0.012 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

RE132D7-20191205

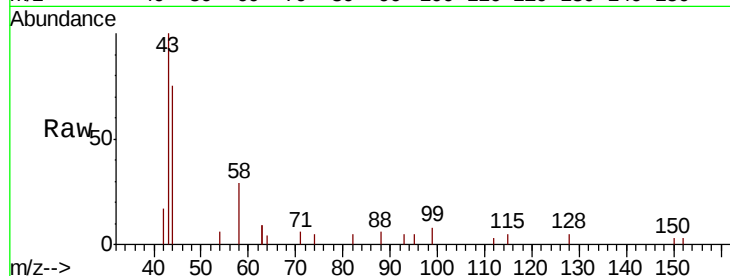
Tot Ion: 99 Resp: 215

Ion Ratio Lower Upper

99 100

42 108.8 19.1 28.7#

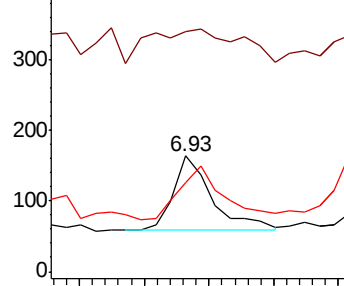
71 82.8 27.7 41.5#



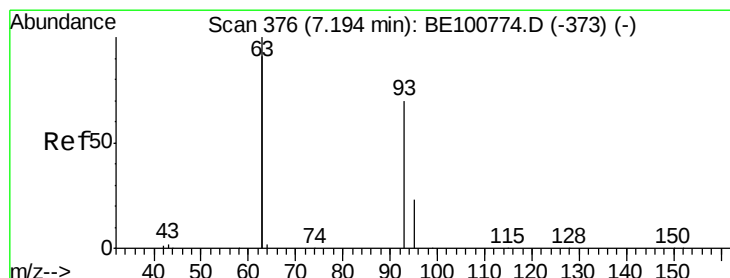
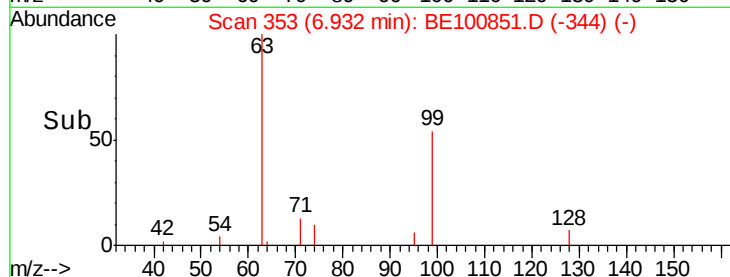
Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1



Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.027 ng

RT: 7.19 min Scan# 375

Delta R.T. -0.01 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

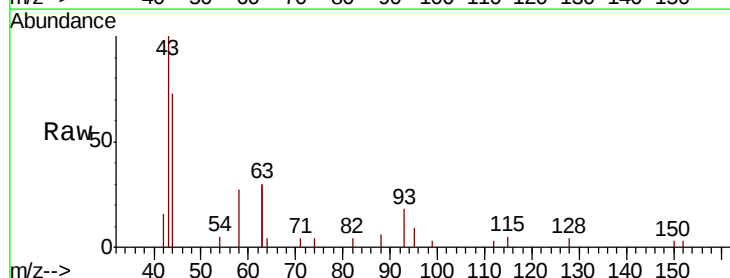
Tgt Ion: 93 Resp: 459

Ion Ratio Lower Upper

93 100

63 330.1 259.4 389.0

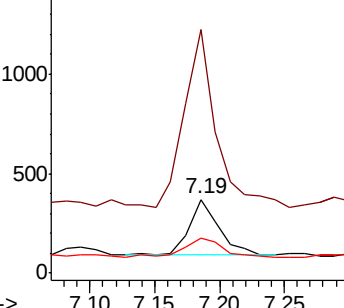
95 44.2 26.2 39.2#



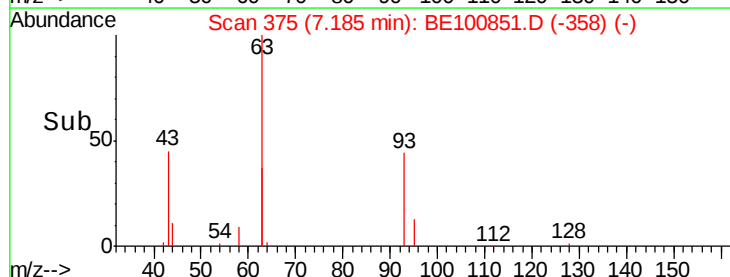
Abundance Ion 93.00 (92.70 to 93.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Ion 95.00 (94.70 to 95.70): BE1



Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. 0.00 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

RE132D7-20191205

Tot Ion:136 Resp: 22800

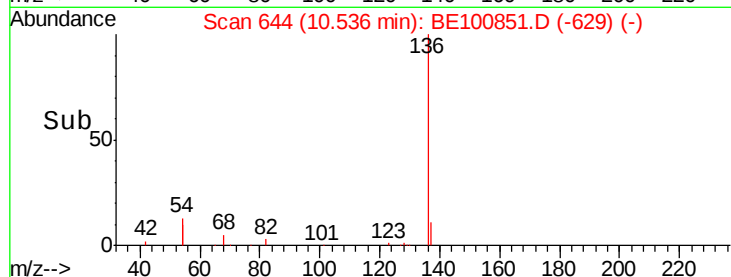
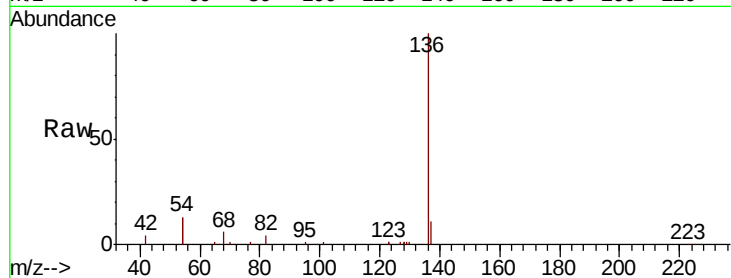
Ion Ratio Lower Upper

136 100

137 11.2 9.4 14.0

54 26.9 31.1 46.7#

68 5.9 6.6 10.0#



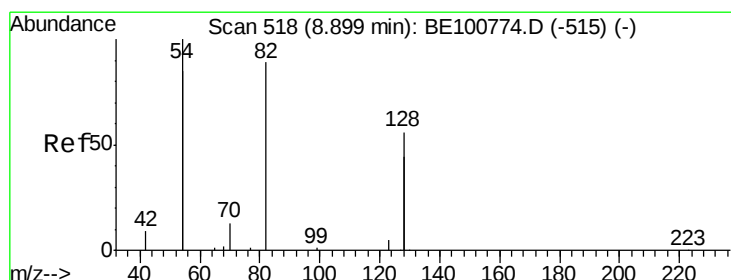
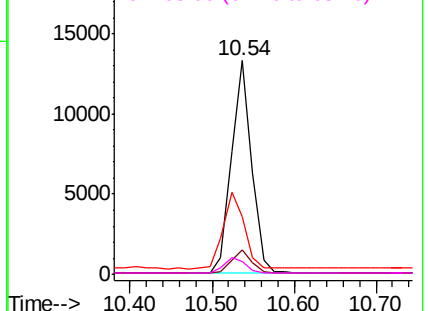
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.377 ng

RT: 8.90 min Scan# 518

Delta R.T. 0.00 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

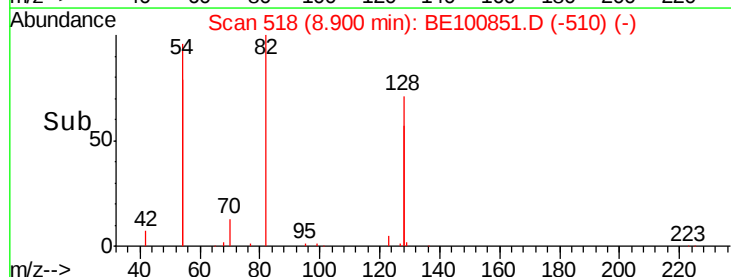
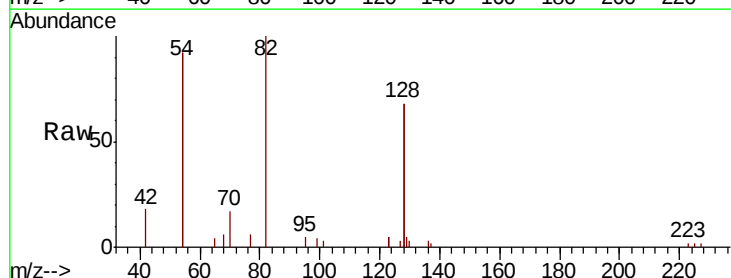
Tgt Ion: 82 Resp: 4096

Ion Ratio Lower Upper

82 100

128 136.2 97.0 145.4

54 184.2 171.8 257.6

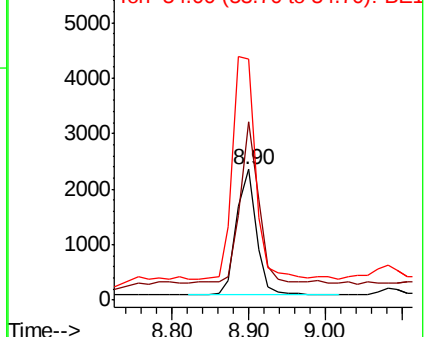


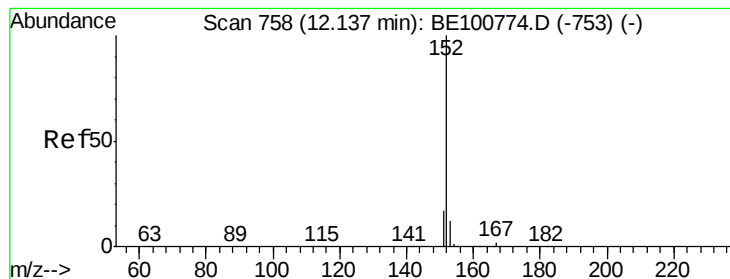
Abundance

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: 0.405 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

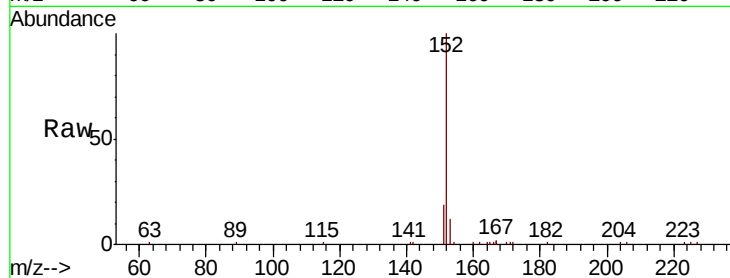
RE132D7-20191205

Tot Ion:152 Resp: 13368

Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

8000

6000

4000

2000

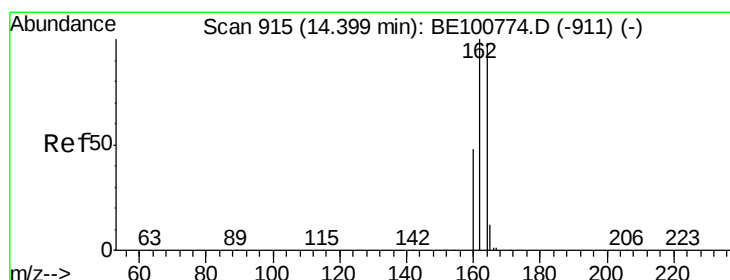
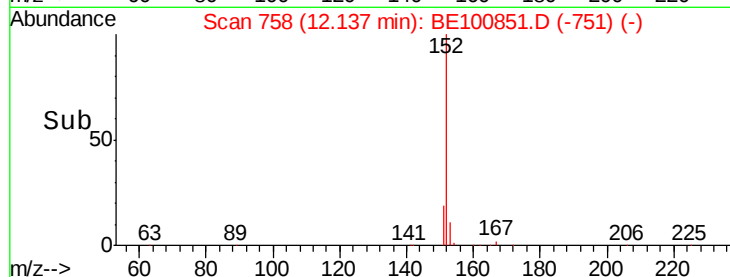
0

12.00

12.14

12.20

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.40 min Scan# 915

Delta R.T. 0.00 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

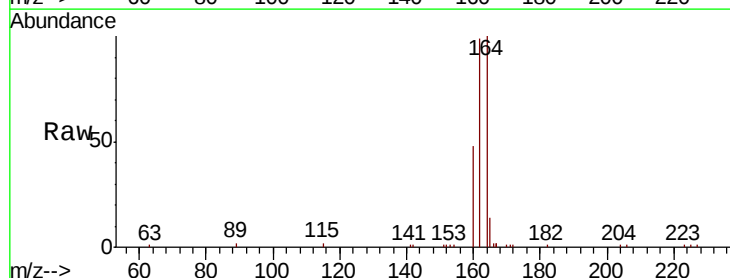
Tgt Ion:164 Resp: 13535

Ion Ratio Lower Upper

164 100

162 98.9 81.4 122.0

160 48.0 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

10000

8000

6000

4000

2000

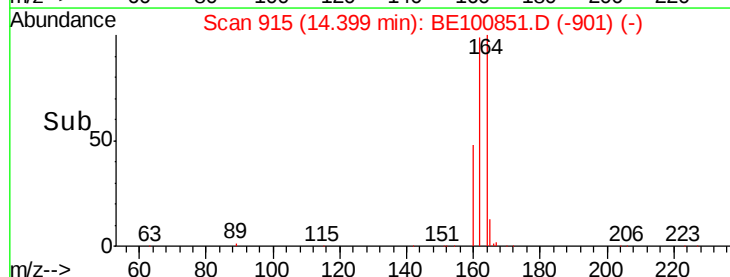
0

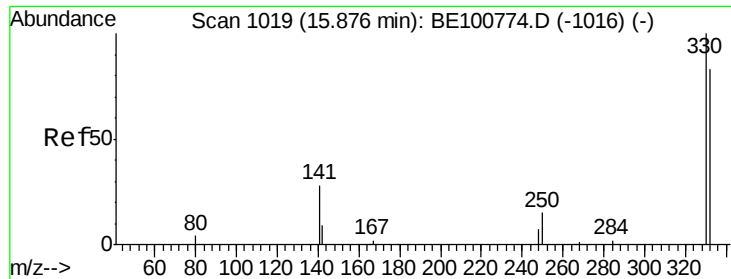
14.20

14.40

14.60

Time-->





#14

2,4,6-Tribromophenol

Concen: 0.072 ng

RT: 15.88 min Scan# 1019

Delta R.T. -0.00 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

RE132D7-20191205

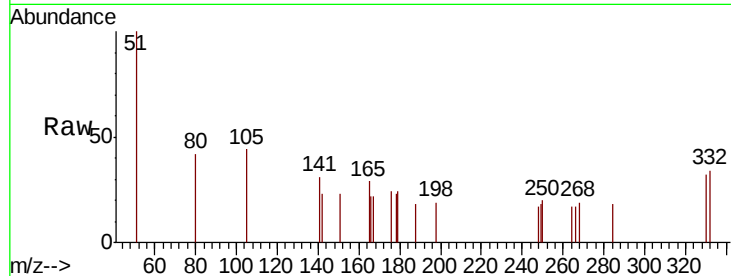
Tot Ion:330 Resp: 109

Ion Ratio Lower Upper

330 100

332 111.9 69.4 104.2#

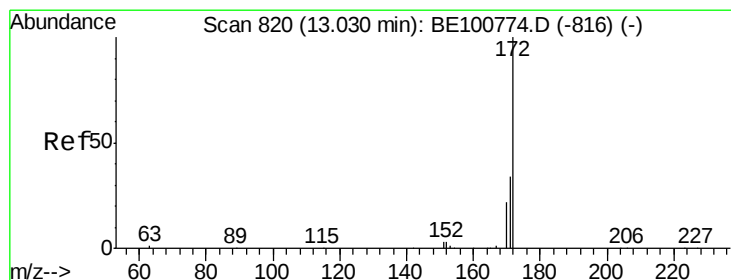
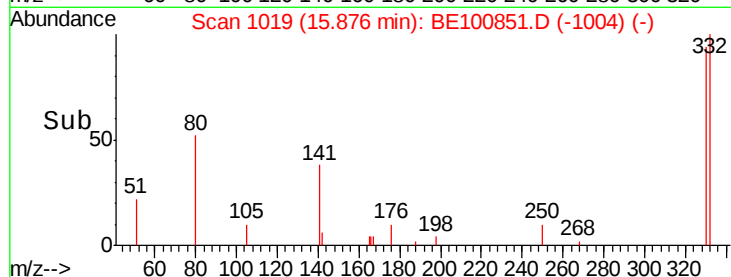
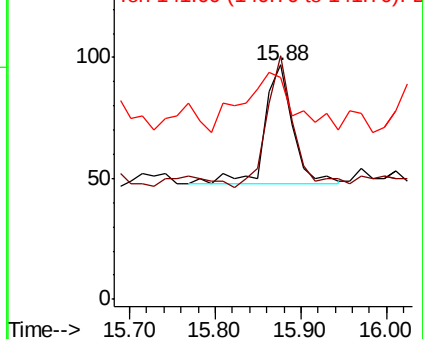
141 95.4 51.1 76.7#



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: 0.351 ng

RT: 13.02 min Scan# 819

Delta R.T. -0.01 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

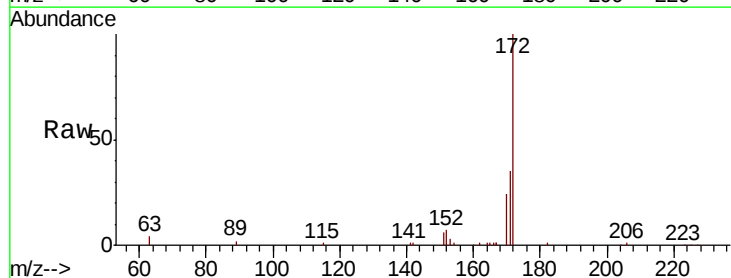
Tgt Ion:172 Resp: 18825

Ion Ratio Lower Upper

172 100

171 35.1 27.2 40.8

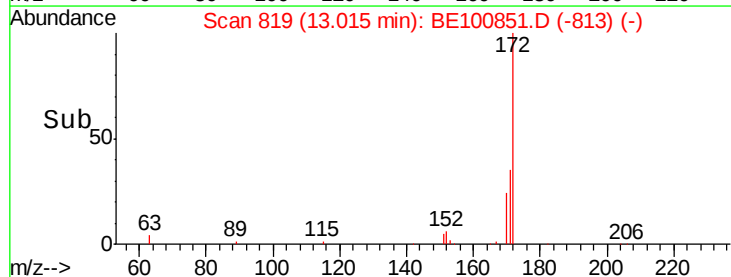
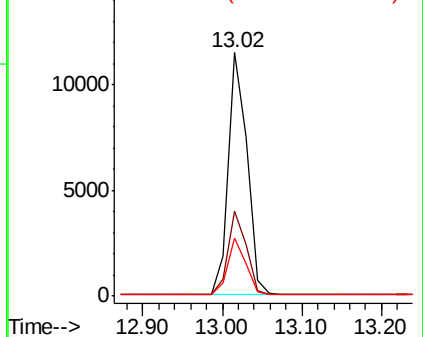
170 24.0 18.0 27.0

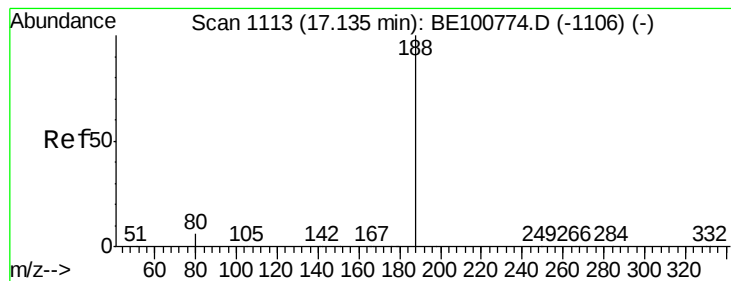


Abundance Ion 172.00 (171.70 to 172.70): E

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: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

RE132D7-20191205

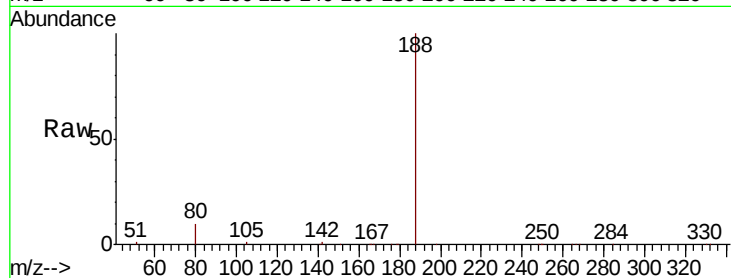
Tot Ion:188 Resp: 32068

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

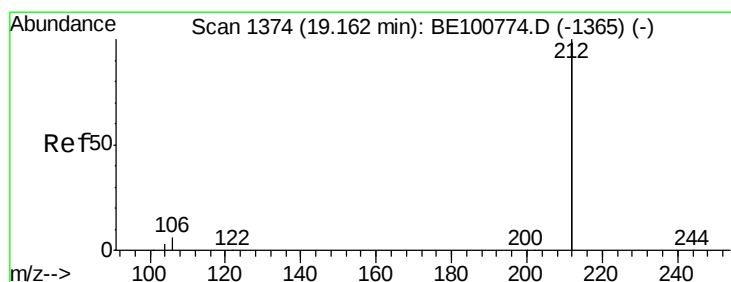
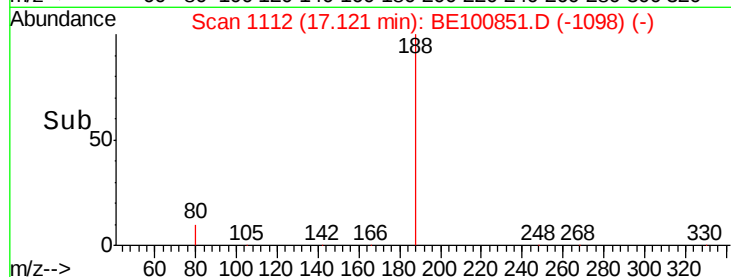
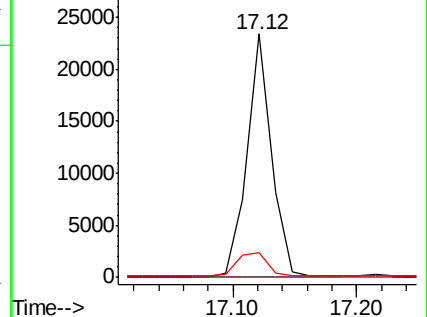
80 10.4 5.2 7.8#



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: 0.345 ng

RT: 19.16 min Scan# 1373

Delta R.T. -0.01 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

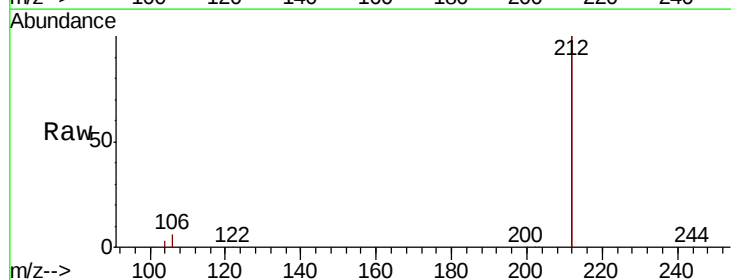
Tgt Ion:212 Resp: 130570

Ion Ratio Lower Upper

212 100

106 3.3 2.6 3.8

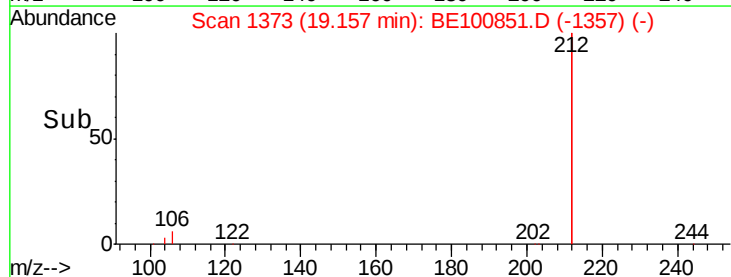
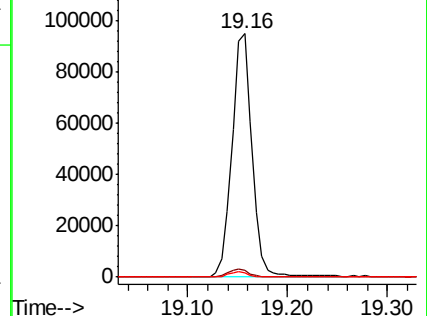
104 1.9 1.4 2.2

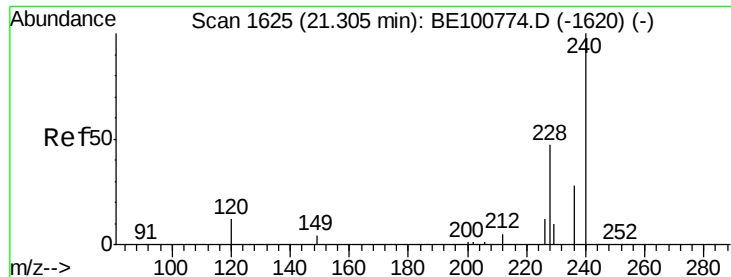


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

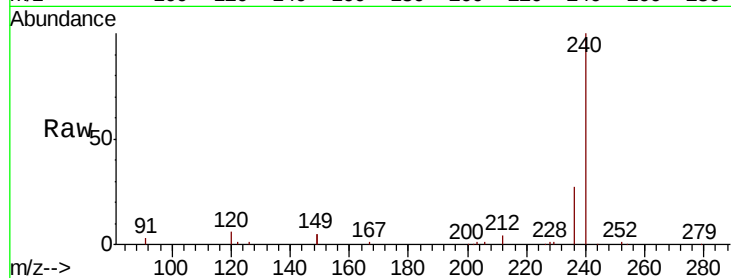




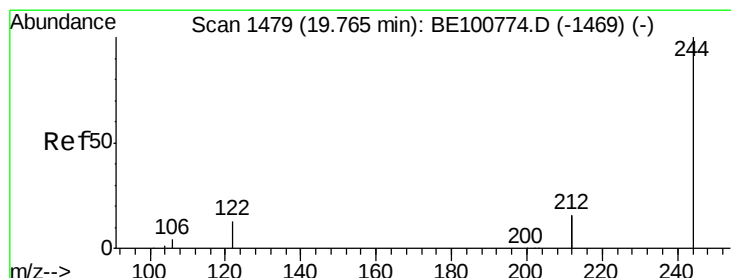
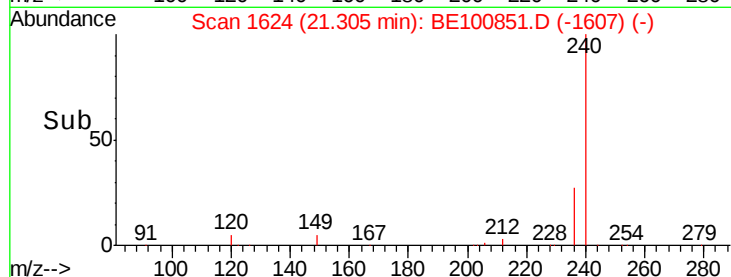
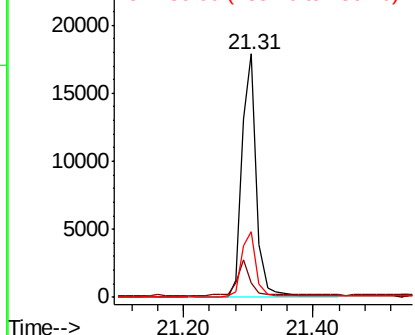
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE100851.D
Acq: 11 Dec 2019 18:08

Instrument :
BNA_E
ClientSampleId :
RE132D7-20191205

Tot Ion:240 Resp: 27303
Ion Ratio Lower Upper
240 100
120 5.7 10.2 15.2#
236 27.1 22.3 33.5

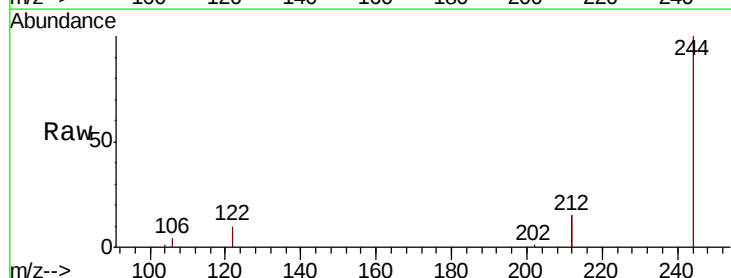


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

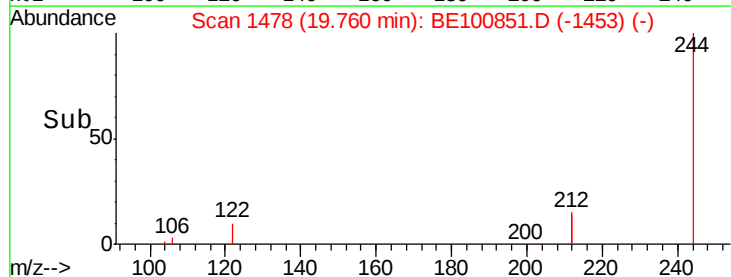
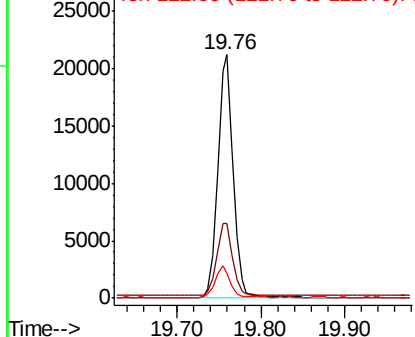


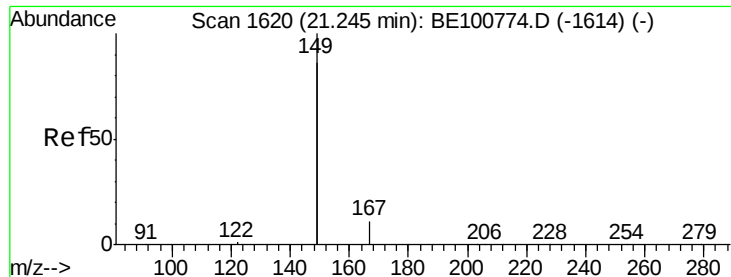
#29
Terphenyl-d14
Concen: 0.410 ng
RT: 19.76 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BE100851.D
Acq: 11 Dec 2019 18:08

Tgt Ion:244 Resp: 26833
Ion Ratio Lower Upper
244 100
212 30.6 26.2 39.4
122 10.3 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: 0.233 ng

RT: 21.23 min Scan# 1618

Delta R.T. -0.01 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

Instrument :

BNA_E

ClientSampleId :

RE132D7-20191205

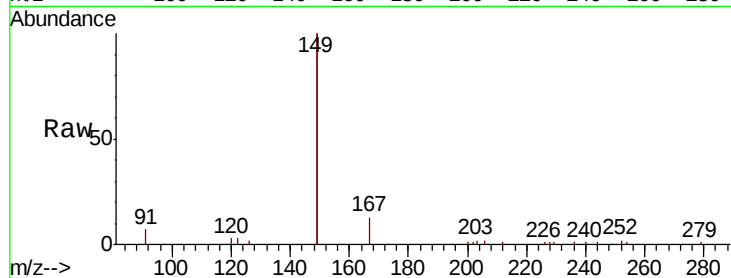
Tot Ion:149 Resp: 14196

Ion Ratio Lower Upper

149 100

167 7.2 5.0 7.6

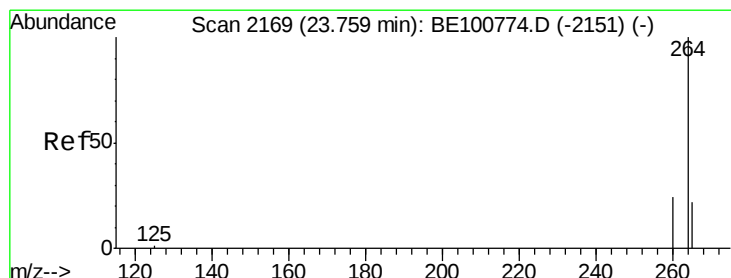
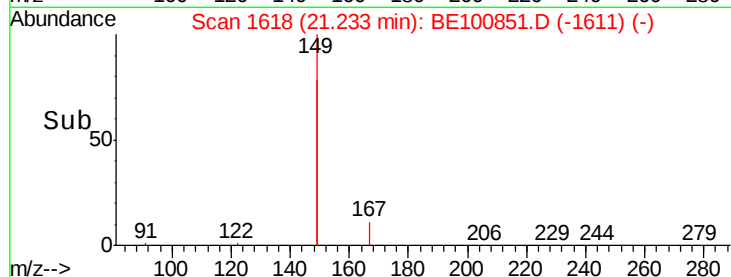
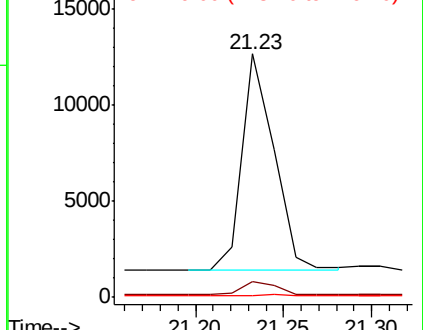
279 0.8 0.7 1.1



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2163

Delta R.T. -0.02 min

Lab File: BE100851.D

Acq: 11 Dec 2019 18:08

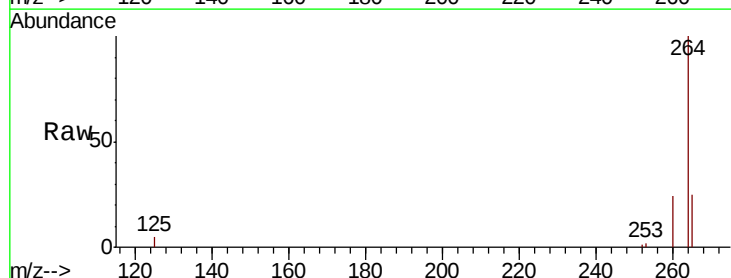
Tgt Ion:264 Resp: 31875

Ion Ratio Lower Upper

264 100

260 24.5 19.4 29.2

265 24.9 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

