

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100901.D
 Acq On : 14 Dec 2019 00:42
 Operator : JU
 Sample : K6251-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 14 03:08:33 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

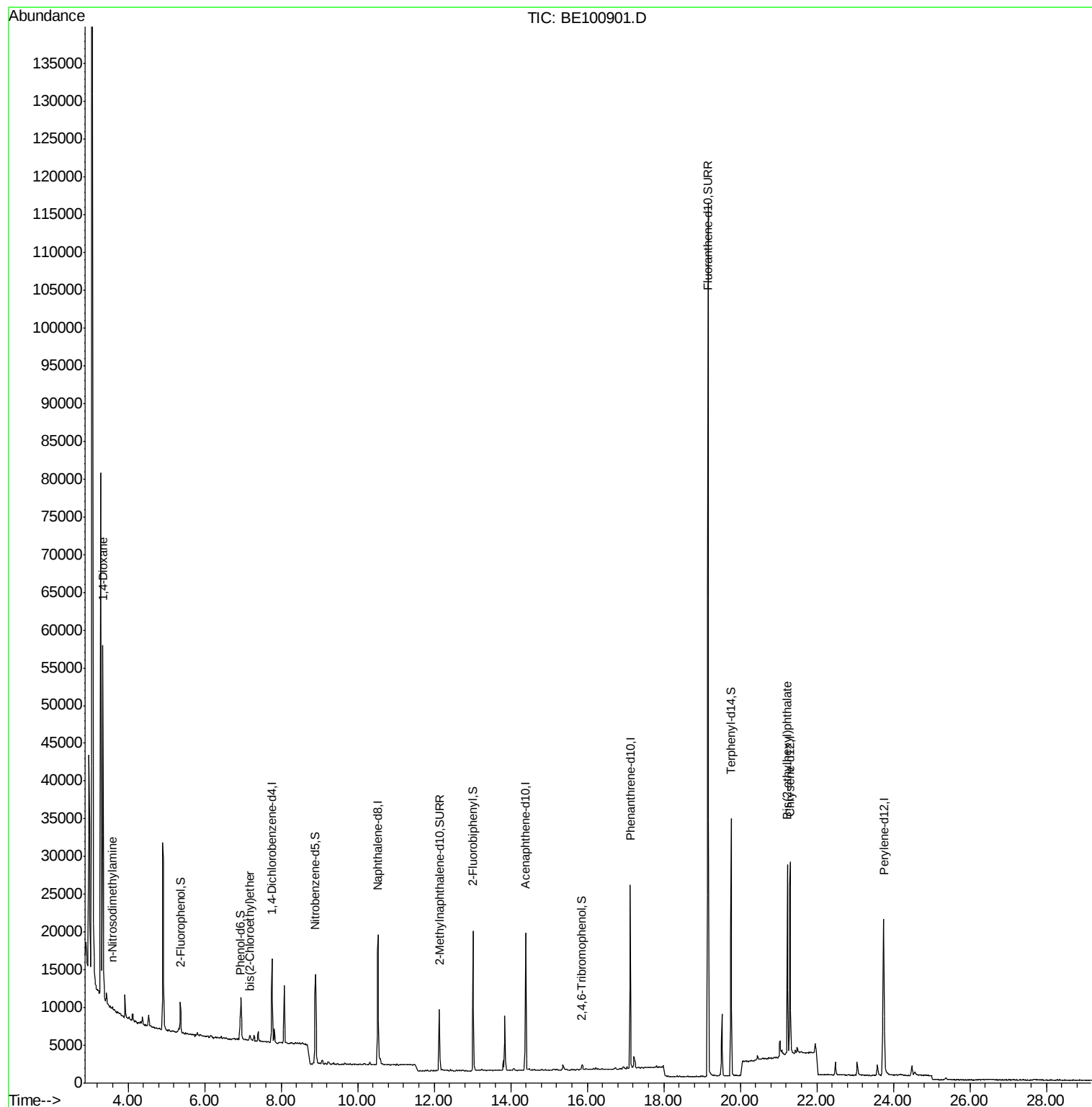
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4726	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	21009	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	11927	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	30444	0.40	ng	0.00
27) Chrysene-d12	21.31	240	28944	0.40	ng	0.00
34) Perylene-d12	23.74	264	32214	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1921	0.17	ng	0.00
5) Phenol-d6	6.93	99	1929	0.11	ng	0.00
8) Nitrobenzene-d5	8.90	82	5002	0.50	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	11893	0.39	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	417	0.31	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	16355	0.35	ng	0.00
25) Fluoranthene-d10	19.15	212	148100	0.41	ng	0.00
29) Terphenyl-d14	19.76	244	29348	0.42	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	28920	3.356	ng	Qvalue 86
3) n-Nitrosodimethylamine	3.59	42	149	0.021	ng	# 2
6) bis(2-Chloroethyl)ether	7.18	93	347	0.021	ng	# 70
32) Bis(2-ethylhexyl)phthalate	21.23	149	26651	0.445	ng	99

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

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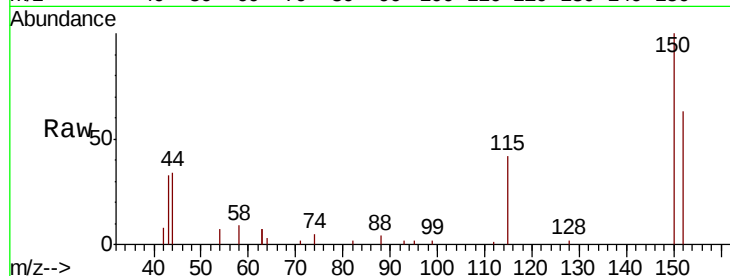


#1

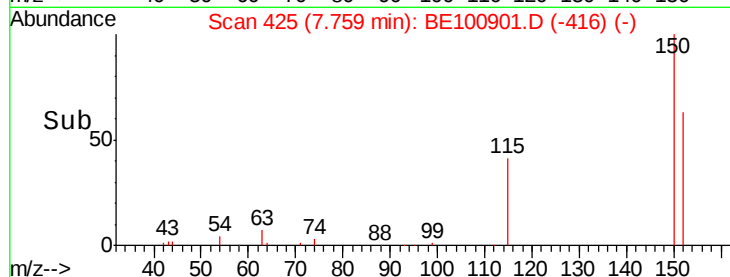
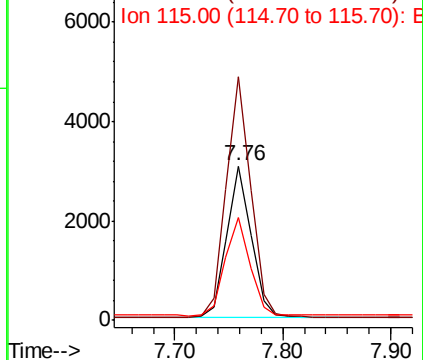
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100901.D
Acq: 14 Dec 2019 00:42

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4726
Ion Ratio Lower Upper
152 100
150 158.1 125.5 188.3
115 67.2 55.7 83.5



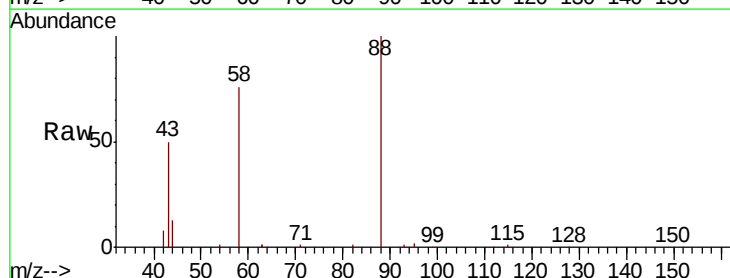
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



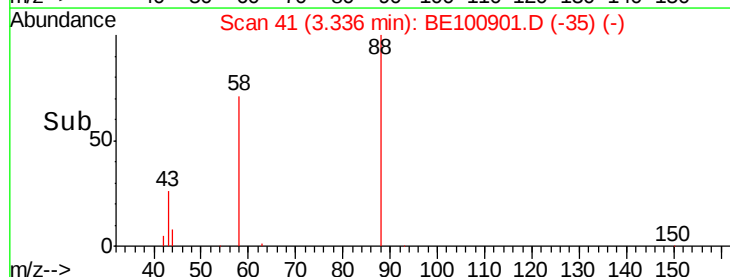
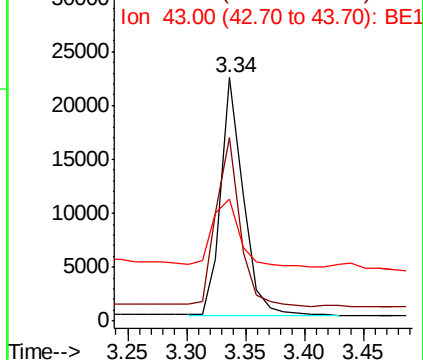
#2

1,4-Dioxane
Concen: 3.356 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100901.D
Acq: 14 Dec 2019 00:42

Tgt Ion: 88 Resp: 28920
Ion Ratio Lower Upper
88 100
58 77.8 52.3 78.5
43 34.5 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: 0.021 ng

RT: 3.59 min Scan# 63

Delta R.T. -0.06 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

Instrument :

BNA_E

ClientSampleId :

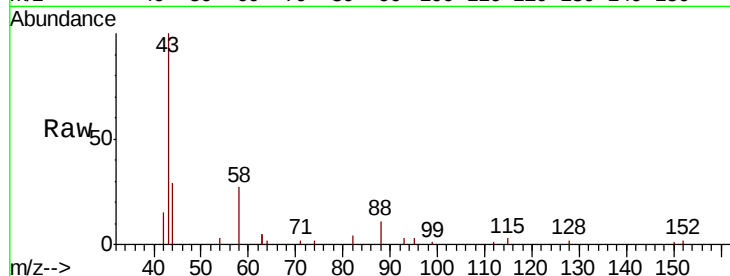
Tot Ion: 42 Resp: 149

Ion Ratio Lower Upper

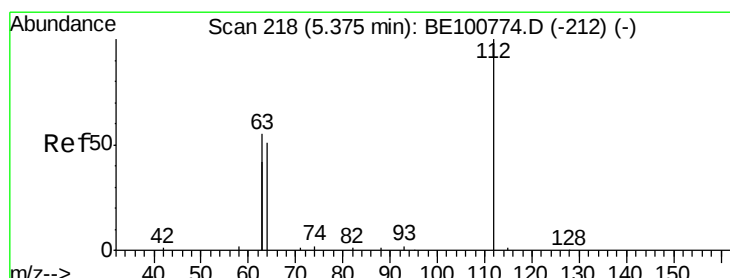
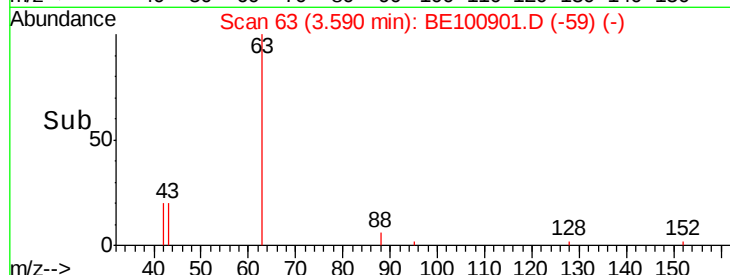
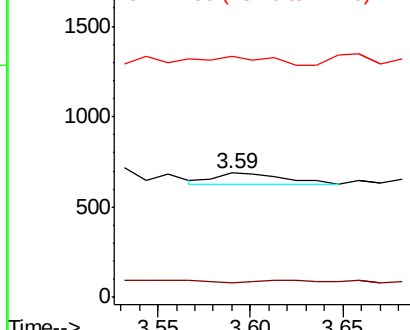
42 100

74 0.0 90.3 135.5#

44 0.0 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: 0.171 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

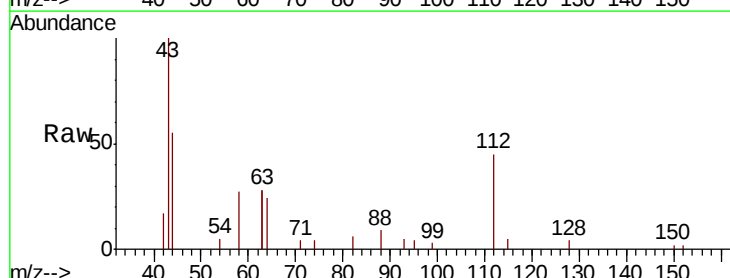
Tgt Ion: 112 Resp: 1921

Ion Ratio Lower Upper

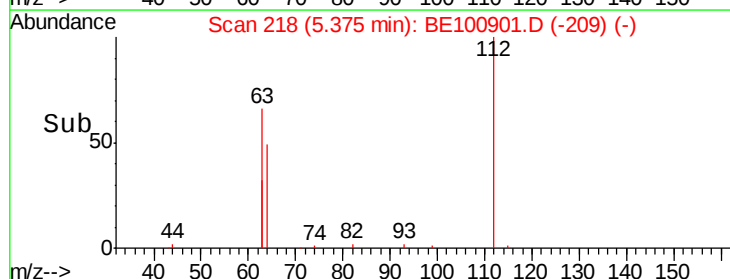
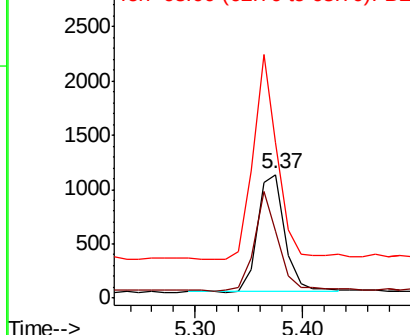
112 100

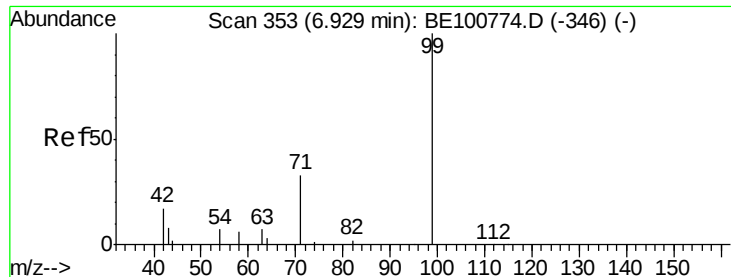
64 73.3 54.5 81.7

63 152.7 116.1 174.1



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: 0.114 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

Instrument :

BNA_E

ClientSampleId :

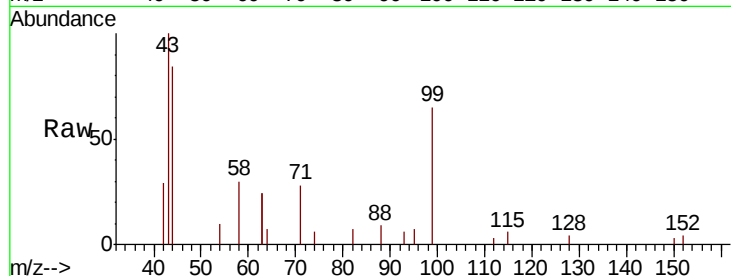
Tot Ion: 99 Resp: 1929

Ion Ratio Lower Upper

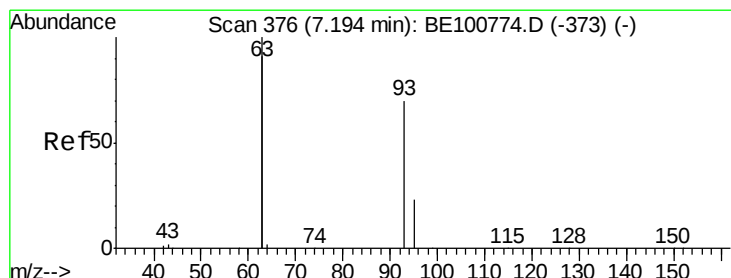
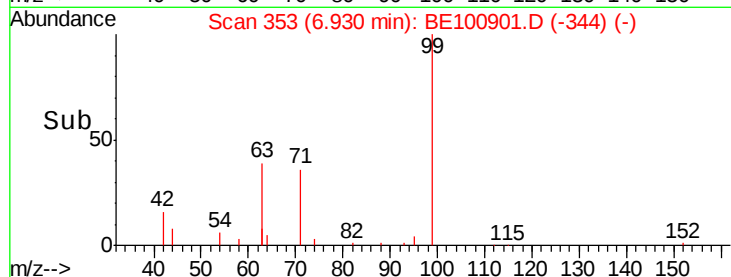
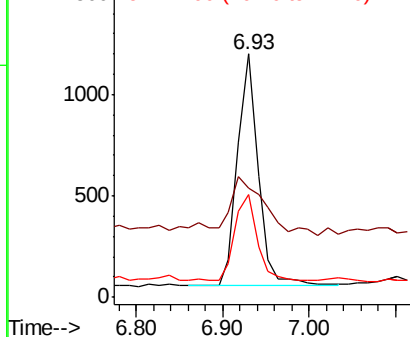
99 100

42 44.1 18.2 27.2#

71 40.1 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: 0.021 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

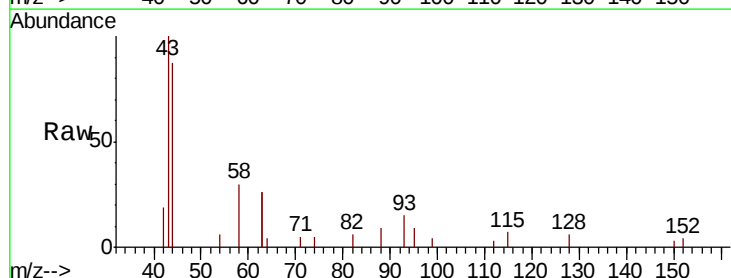
Tgt Ion: 93 Resp: 347

Ion Ratio Lower Upper

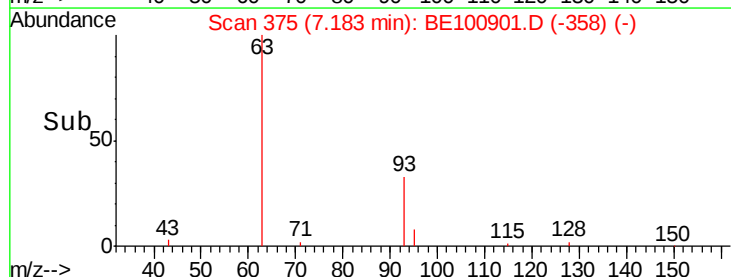
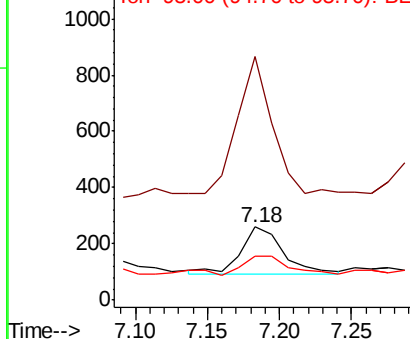
93 100

63 254.8 253.9 380.9

95 46.4 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: BE100901.D

Acq: 14 Dec 2019 00:42

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 21009

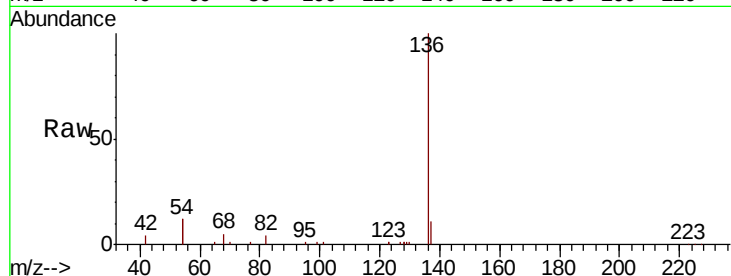
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 23.9 18.9 28.3

68 5.5 4.6 6.8

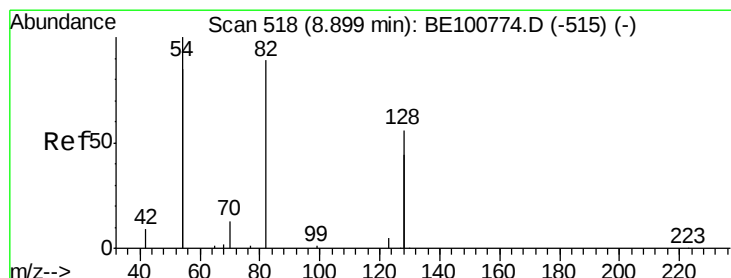
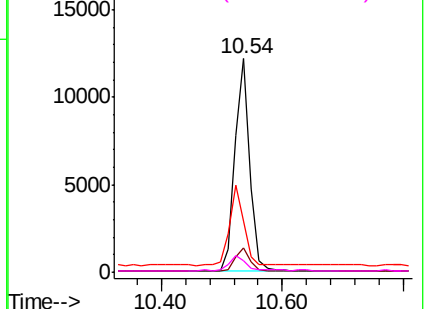
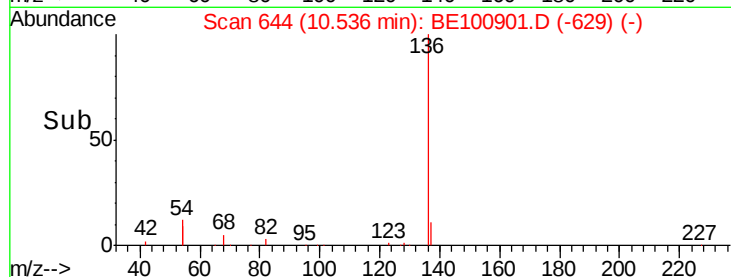


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.500 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

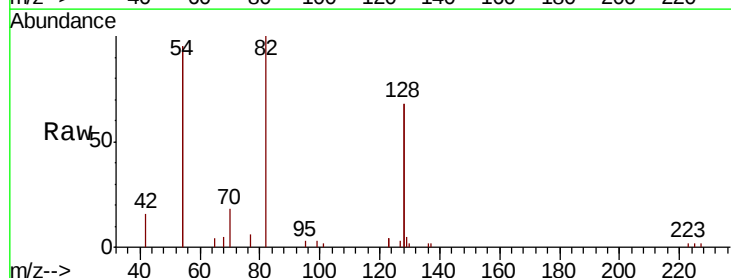
Tgt Ion: 82 Resp: 5002

Ion Ratio Lower Upper

82 100

128 135.6 113.5 170.3

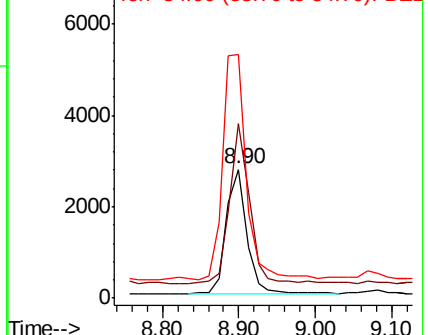
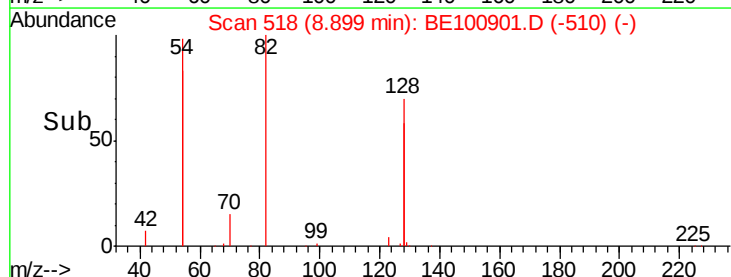
54 189.5 138.9 208.3

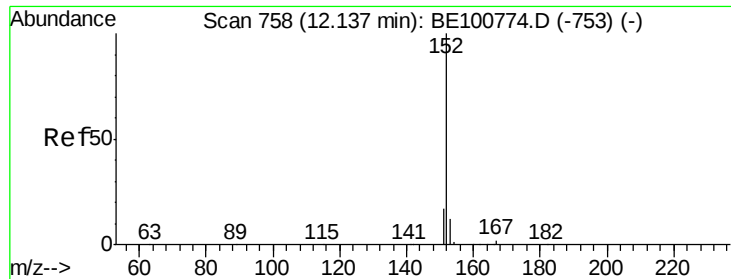


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.391 ng

RT: 12.14 min Scan# 758

Delta R.T. -0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

Instrument :

BNA_E

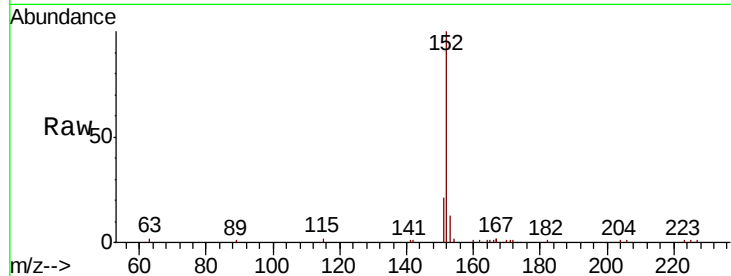
ClientSampleId :

Tot Ion:152 Resp: 11893

Ion Ratio Lower Upper

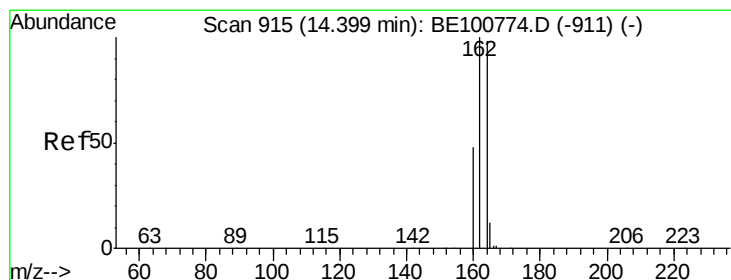
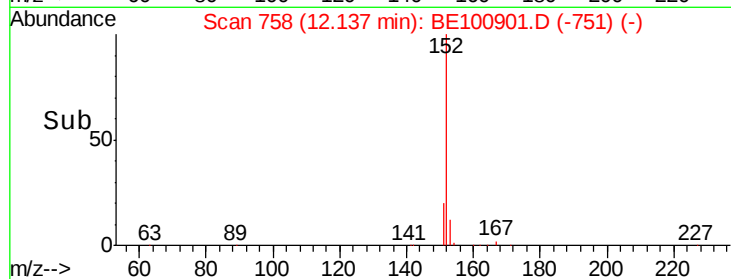
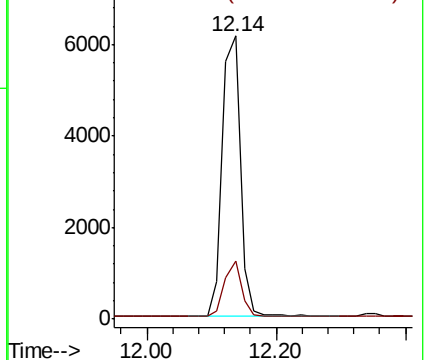
152 100

151 19.1 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: BE100901.D

Acq: 14 Dec 2019 00:42

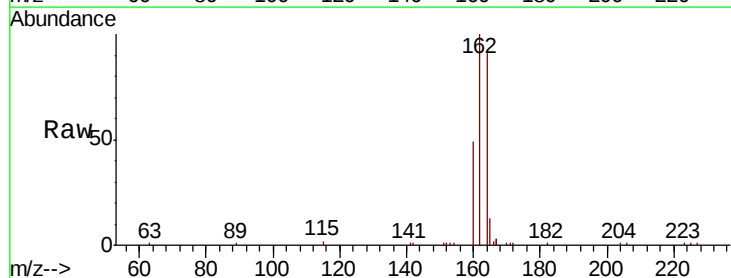
Tgt Ion:164 Resp: 11927

Ion Ratio Lower Upper

164 100

162 109.4 86.0 129.0

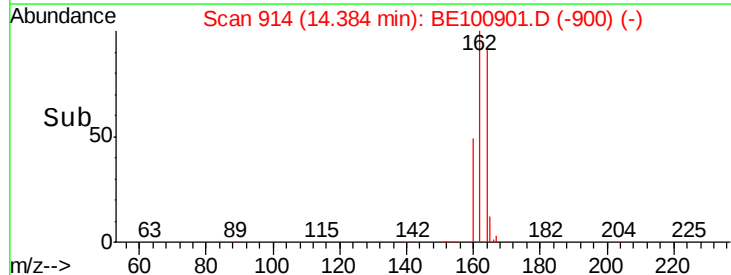
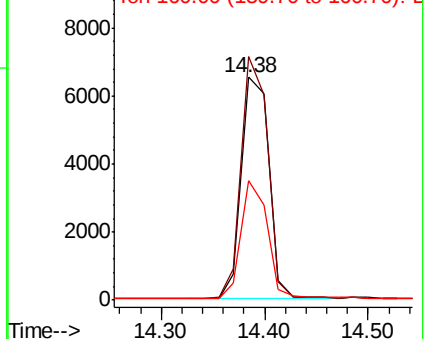
160 53.6 42.3 63.5

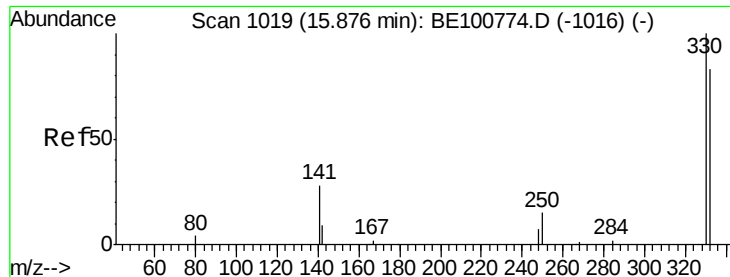


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#14

2,4,6-Tribromophenol

Concen: 0.314 ng

RT: 15.86 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

Instrument :

BNA_E

ClientSampleId :

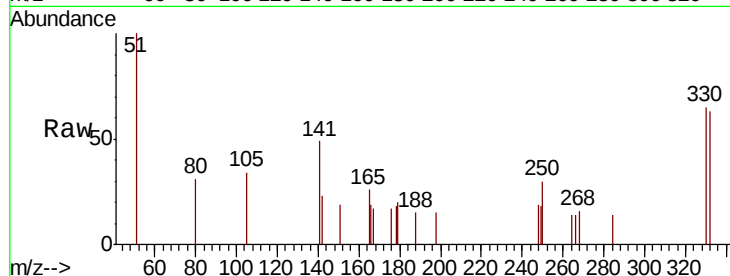
Tot Ion:330 Resp: 417

Ion Ratio Lower Upper

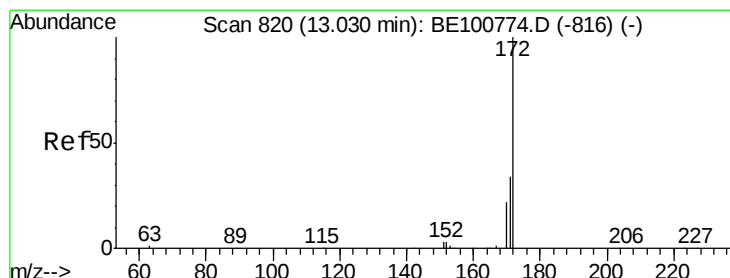
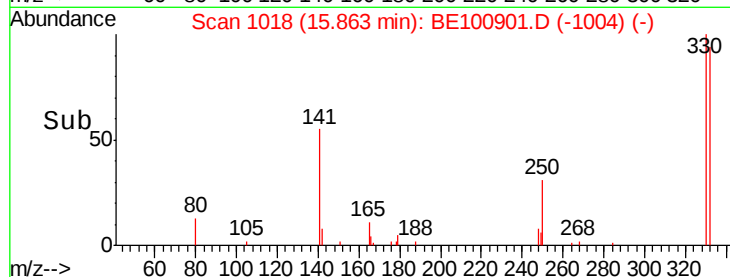
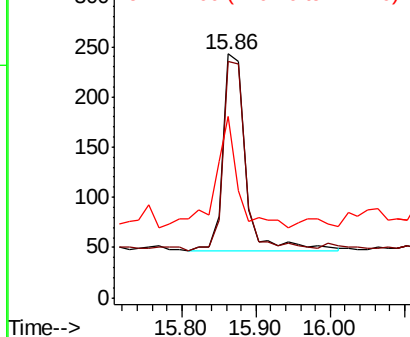
330 100

332 94.7 74.1 111.1

141 56.1 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: 0.346 ng

RT: 13.02 min Scan# 819

Delta R.T. -0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

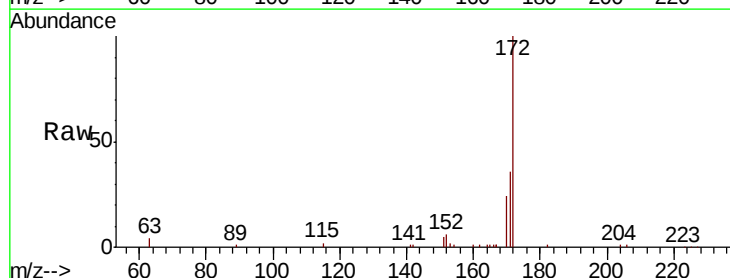
Tgt Ion:172 Resp: 16355

Ion Ratio Lower Upper

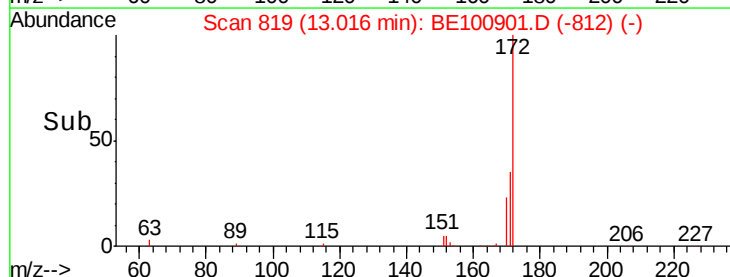
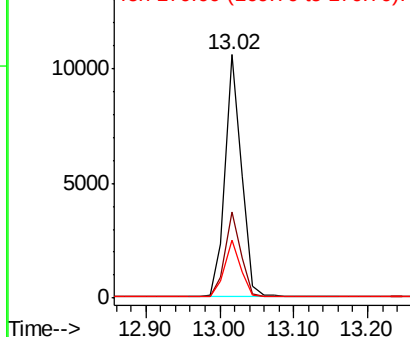
172 100

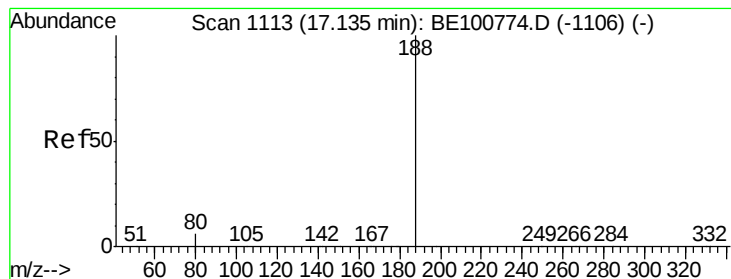
171 35.6 28.2 42.4

170 23.9 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: BE100901.D

Acq: 14 Dec 2019 00:42

Instrument :

BNA_E

ClientSampleId :

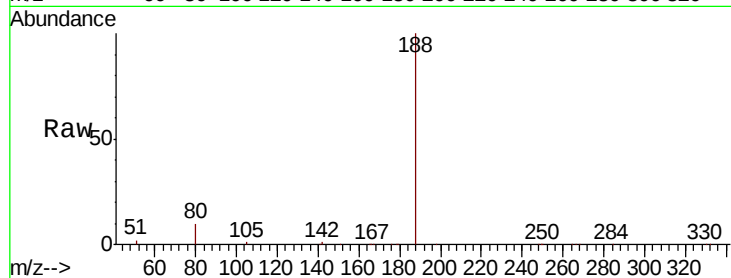
Tot Ion:188 Resp: 30444

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

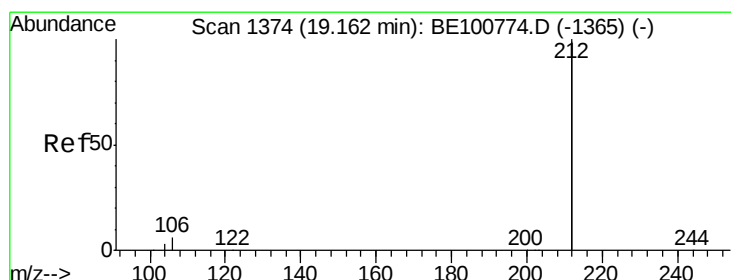
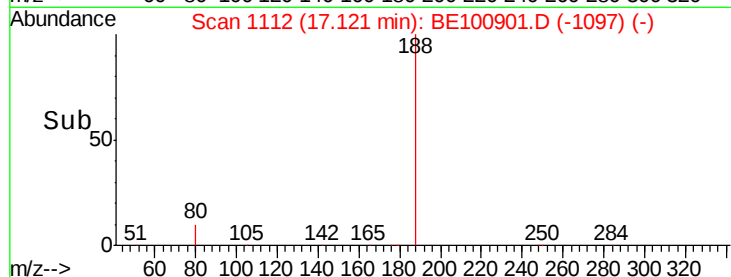
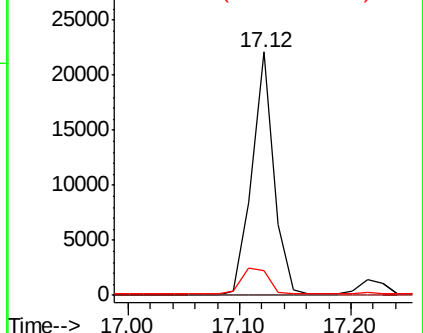
80 10.0 7.9 11.9



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: 0.412 ng

RT: 19.15 min Scan# 1373

Delta R.T. 0.01 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

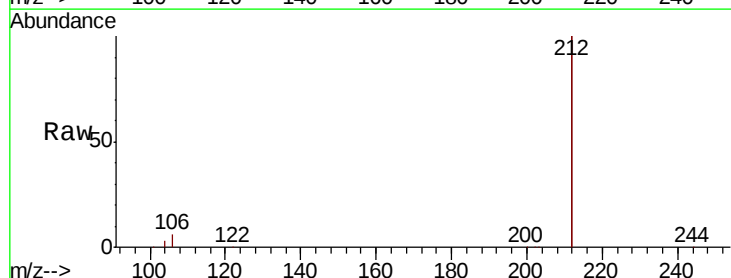
Tgt Ion:212 Resp: 148100

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

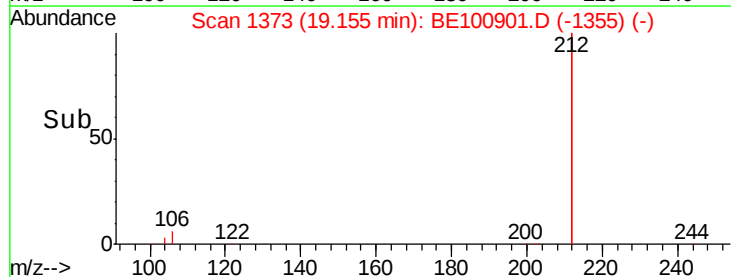
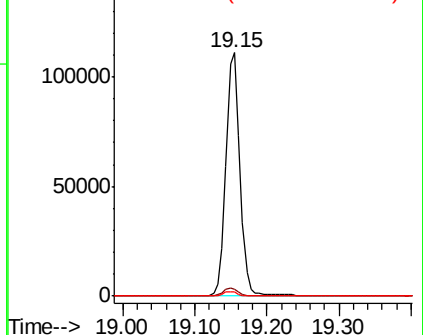
104 1.9 1.4 2.2

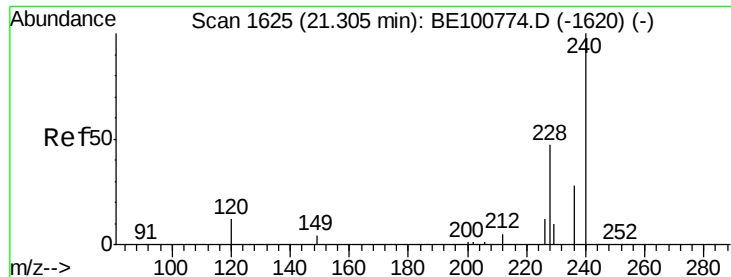


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

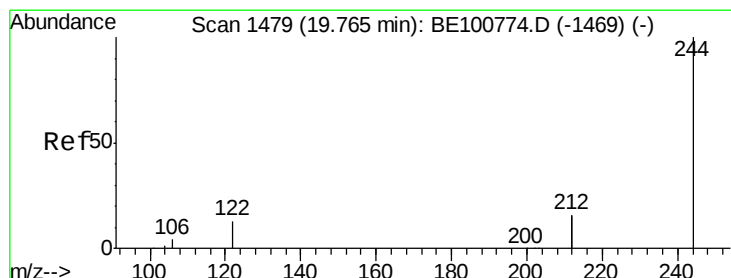
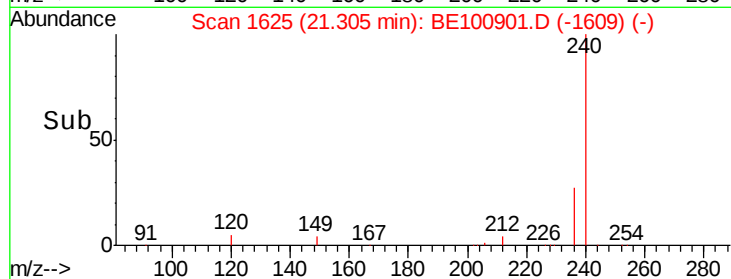
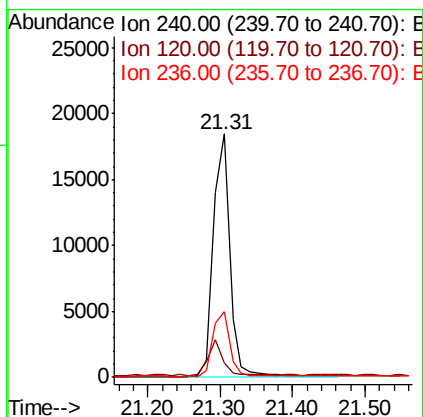
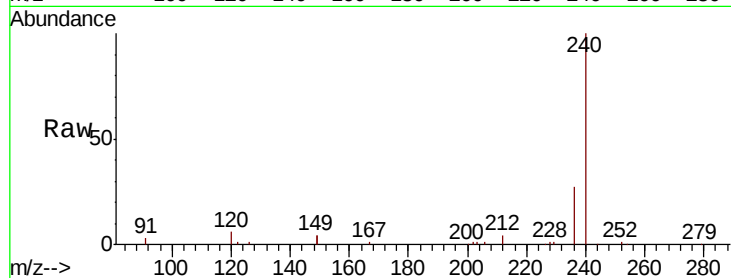




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.31 min Scan# 1625
 Delta R.T. -0.00 min
 Lab File: BE100901.D
 Acq: 14 Dec 2019 00:42

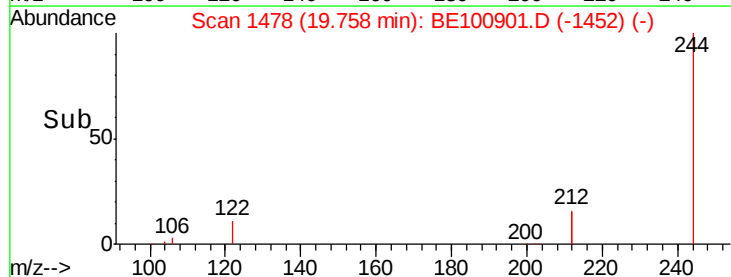
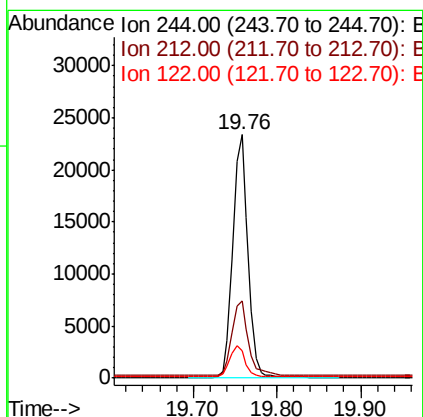
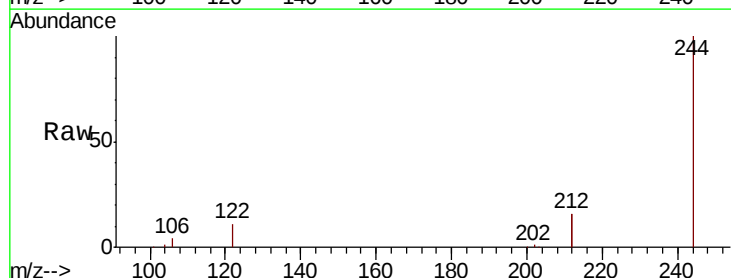
Instrument :
 BNA_E
 ClientSampleId :

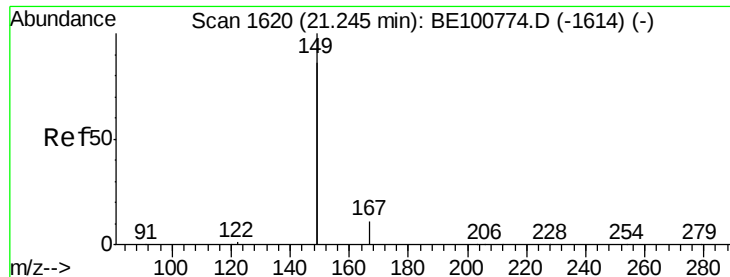
Tot Ion:240 Resp: 28944
 Ion Ratio Lower Upper
 240 100
 120 6.1 4.0 6.0#
 236 27.0 21.6 32.4



#29
 Terphenyl-d14
 Concen: 0.423 ng
 RT: 19.76 min Scan# 1478
 Delta R.T. -0.00 min
 Lab File: BE100901.D
 Acq: 14 Dec 2019 00:42

Tgt Ion:244 Resp: 29348
 Ion Ratio Lower Upper
 244 100
 212 31.5 25.2 37.8
 122 11.2 8.9 13.3





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.445 ng

RT: 21.23 min Scan# 1619

Delta R.T. -0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

Instrument :

BNA_E

ClientSampleId :

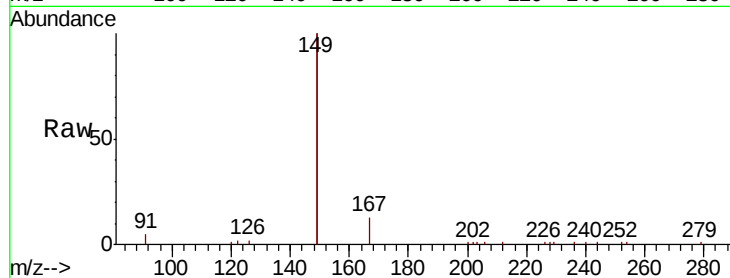
Tot Ion:149 Resp: 26651

Ion Ratio Lower Upper

149 100

167 6.5 5.0 7.4

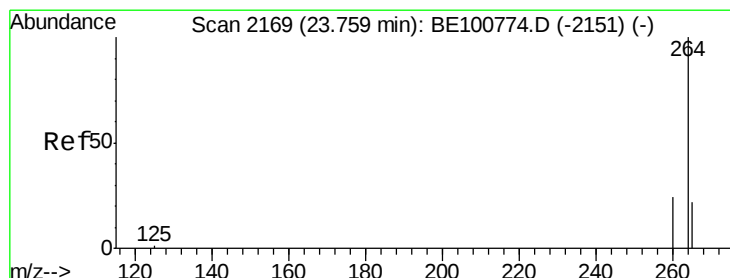
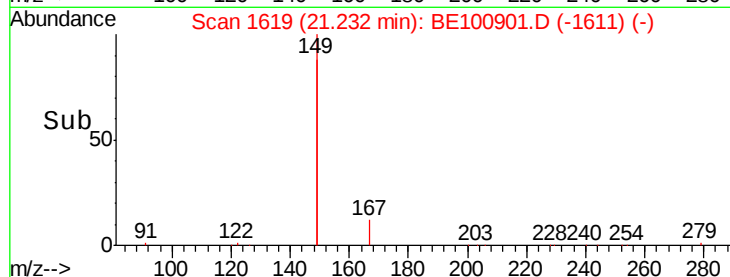
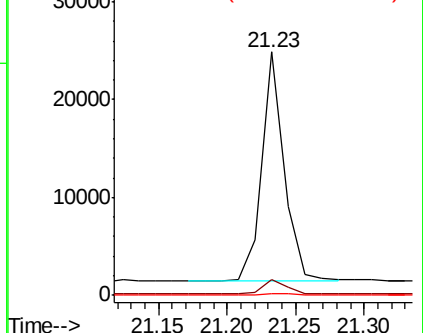
279 0.8 0.6 1.0



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

Perylene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2165

Delta R.T. 0.00 min

Lab File: BE100901.D

Acq: 14 Dec 2019 00:42

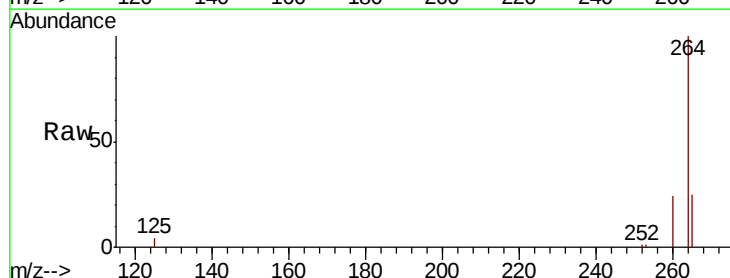
Tgt Ion:264 Resp: 32214

Ion Ratio Lower Upper

264 100

260 24.0 19.4 29.0

265 24.5 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

