

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
 Data File : BE100880.D
 Acq On : 13 Dec 2019 10:55
 Operator : JU
 Sample : K6252-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 RE132D4-20191209

Quant Time: Dec 13 12:53:42 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

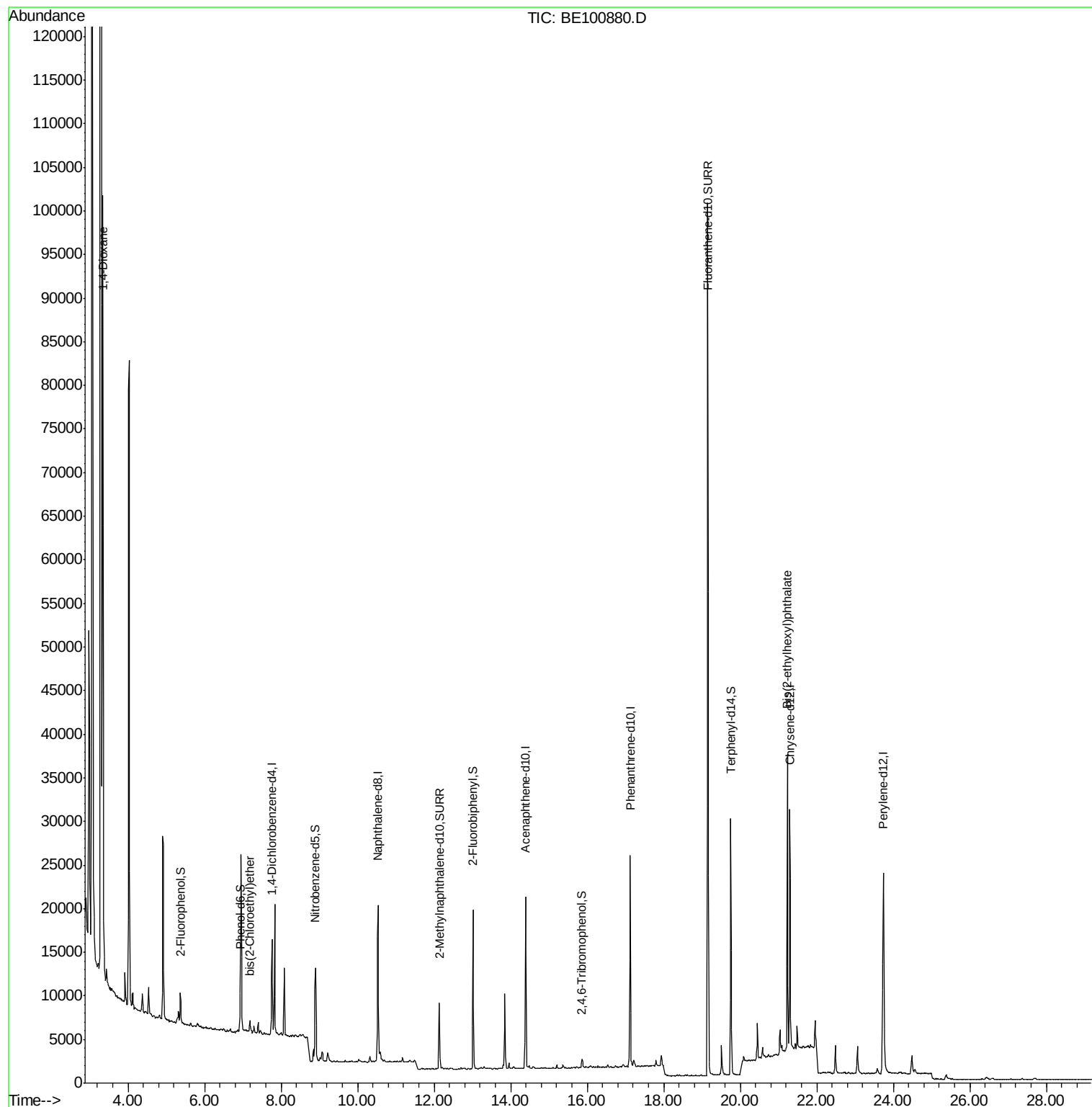
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4704	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	21004	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	12153	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	31306	0.40	ng	0.00
27) Chrysene-d12	21.29	240	28674	0.40	ng	-0.01
34) Perylene-d12	23.74	264	34124	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	1772	0.16	ng	0.00
5) Phenol-d6	6.93	99	1716	0.10	ng	0.00
8) Nitrobenzene-d5	8.90	82	4639	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	11433	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.86	330	578	0.43	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	15587	0.32	ng	0.00
25) Fluoranthene-d10	19.15	212	131409	0.36	ng	0.00
29) Terphenyl-d14	19.75	244	25098	0.37	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.34	88	52408	6.111	ng	# 89
6) bis(2-Chloroethyl)ether	7.18	93	519	0.032	ng	# 97
32) Bis(2-ethylhexyl)phthalate	21.23	149	36057	0.602	ng	99

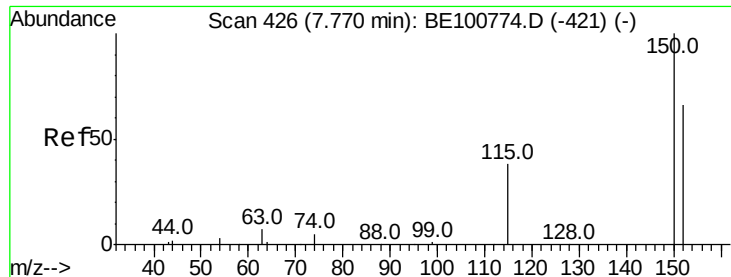
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
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QLast Update : Fri Dec 13 10:42:38 2019
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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: BE100880.D

Acq: 13 Dec 2019 10:55

Instrument :

BNA_E

ClientSampleId :

RE132D4-20191209

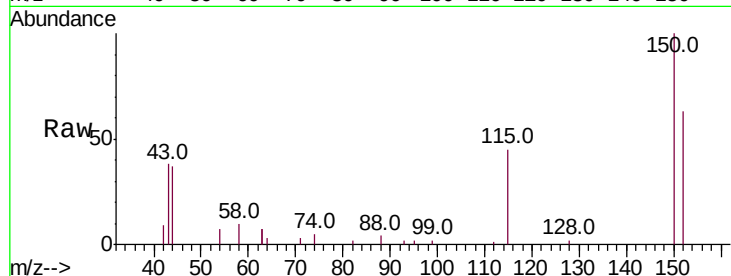
Tot Ion:152 Resp: 4704

Ion Ratio Lower Upper

152 100

150 159.6 125.5 188.3

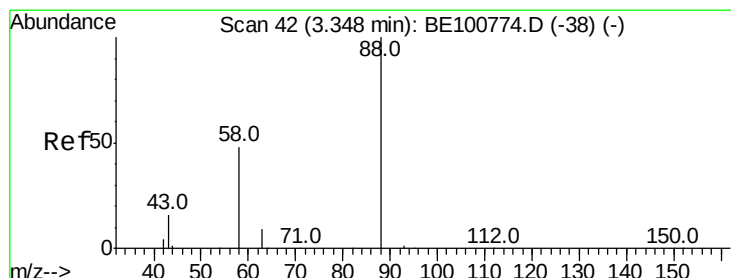
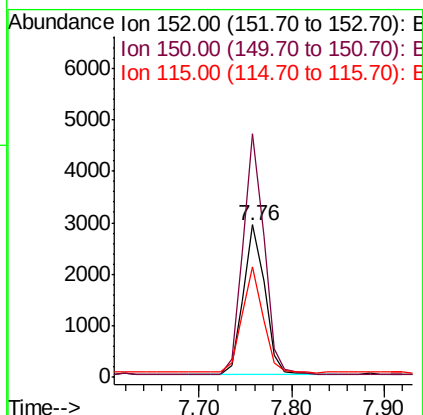
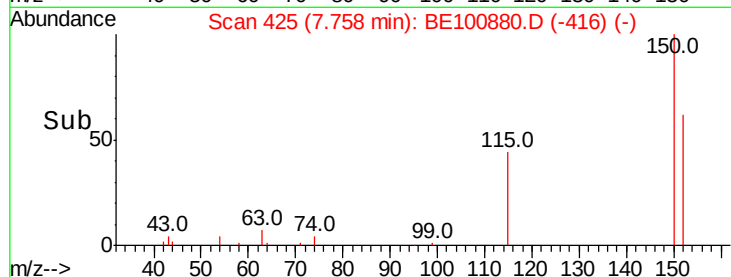
115 72.3 55.7 83.5



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: 6.111 ng

RT: 3.34 min Scan# 41

Delta R.T. 0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

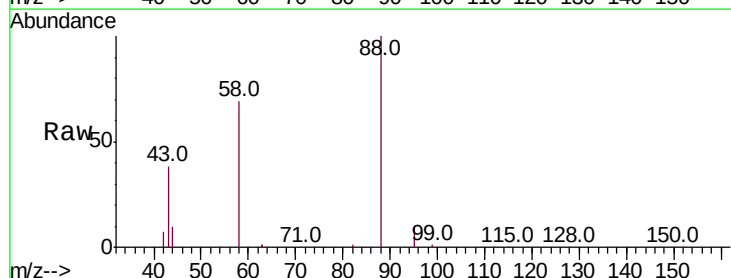
Tgt Ion: 88 Resp: 52408

Ion Ratio Lower Upper

88 100

58 74.3 52.3 78.5

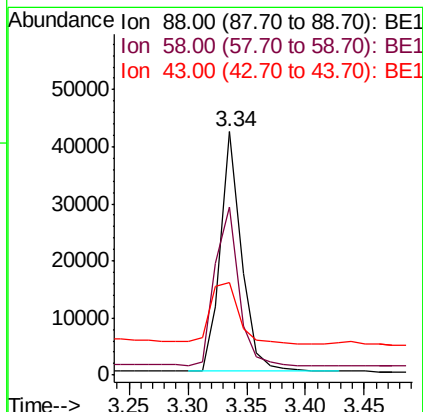
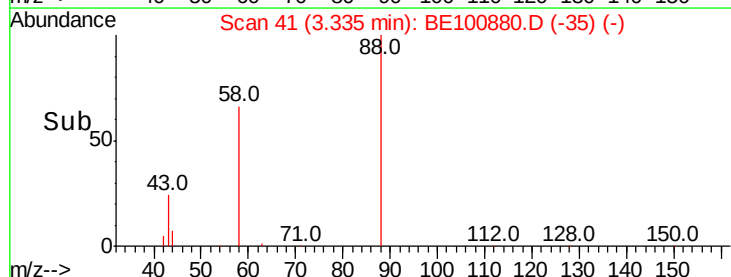
43 35.3 23.5 35.3#

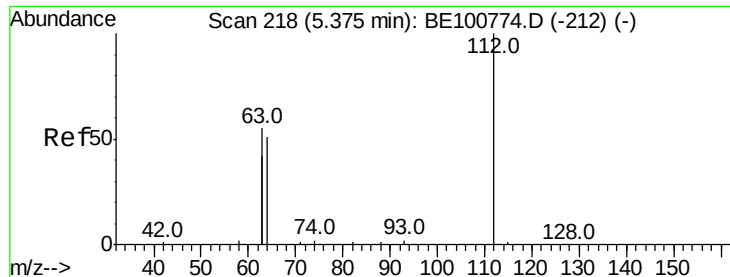


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.159 ng

RT: 5.37 min Scan# 218

Delta R.T. 0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

Instrument :

BNA_E

ClientSampleId :

RE132D4-20191209

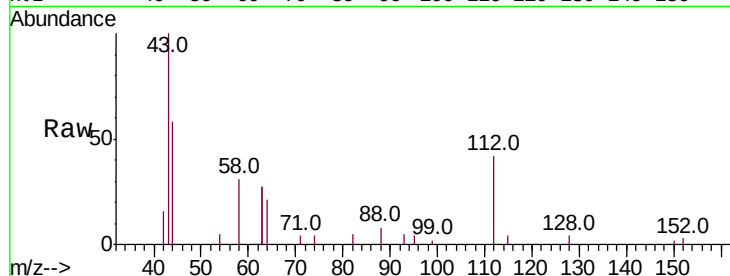
Tot Ion:112 Resp: 1772

Ion Ratio Lower Upper

112 100

64 67.0 54.5 81.7

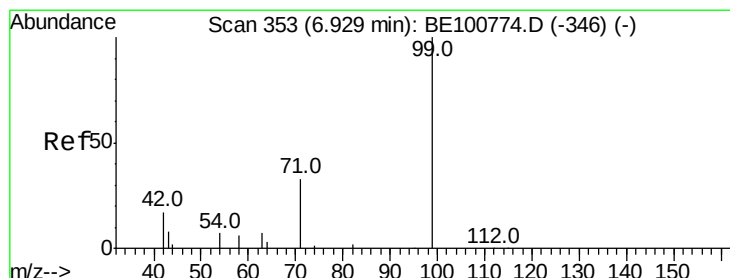
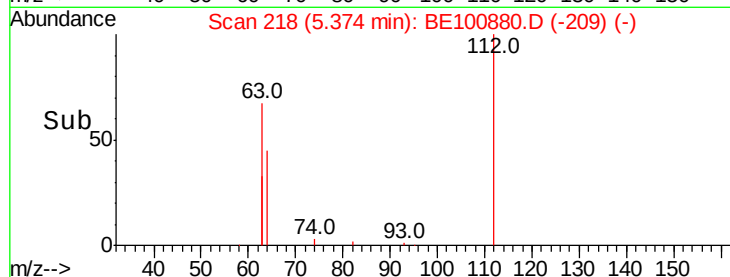
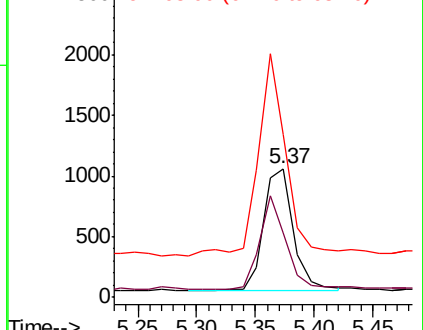
63 153.1 116.1 174.1



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: 0.102 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

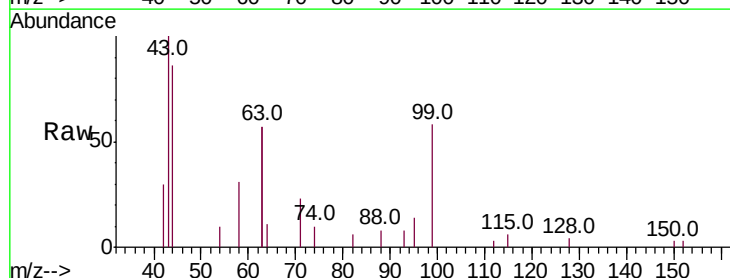
Tgt Ion: 99 Resp: 1716

Ion Ratio Lower Upper

99 100

42 69.7 18.2 27.2#

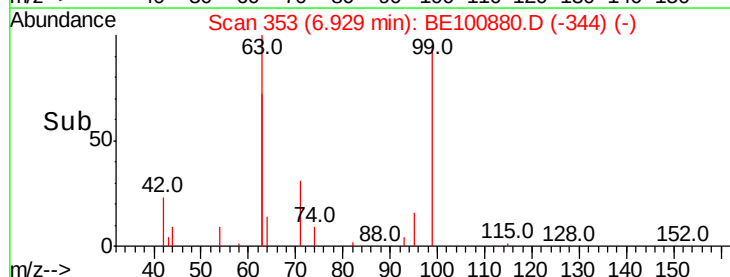
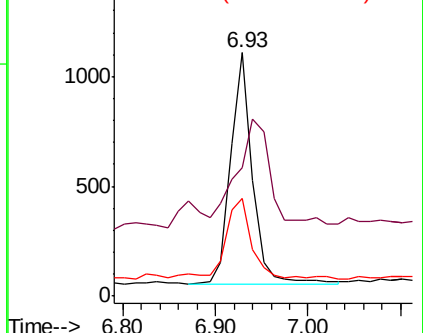
71 40.6 29.1 43.7

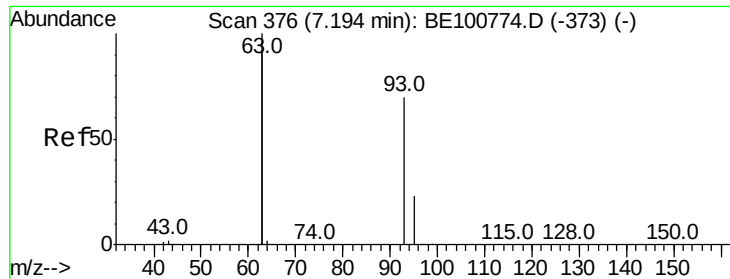


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.032 ng

RT: 7.18 min Scan# 375

Delta R.T. 0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

Instrument :

BNA_E

ClientSampleId :

RE132D4-20191209

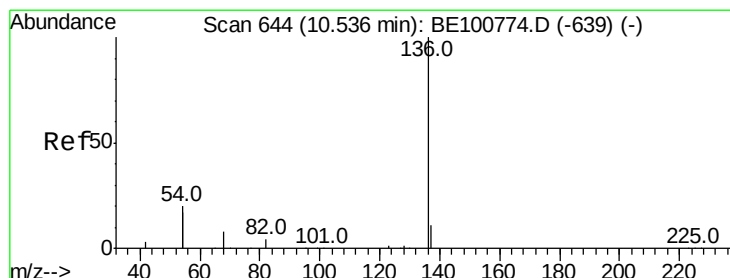
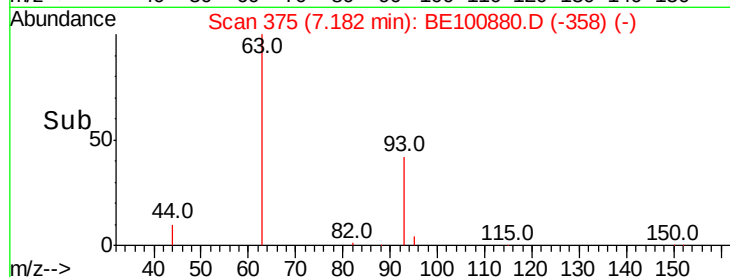
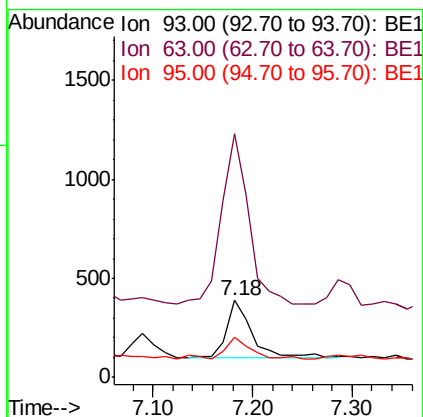
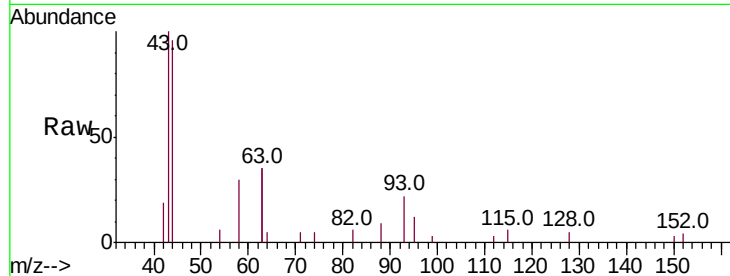
Tot Ion: 93 Resp: 519

Ion Ratio Lower Upper

93 100

63 314.5 253.9 380.9

95 41.2 25.0 37.6#



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.54 min Scan# 644

Delta R.T. -0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

Tgt Ion:136 Resp: 21004

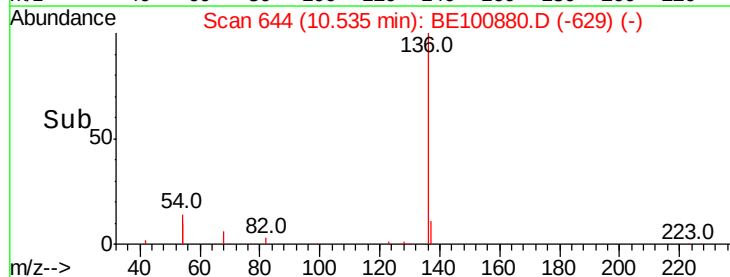
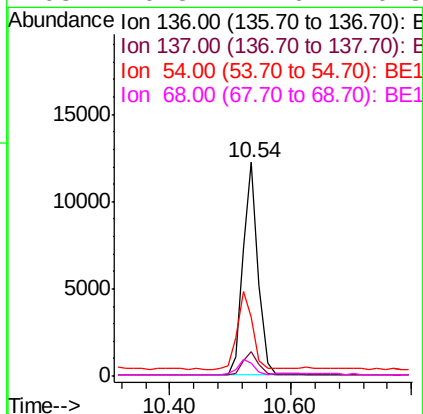
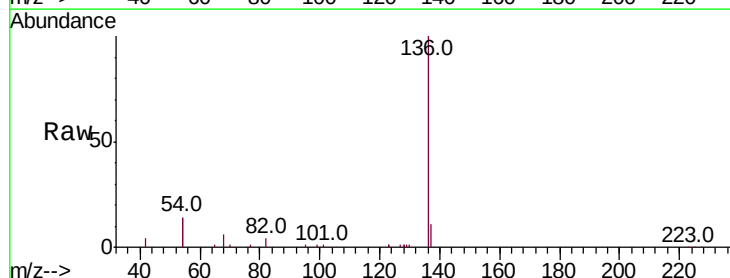
Ion Ratio Lower Upper

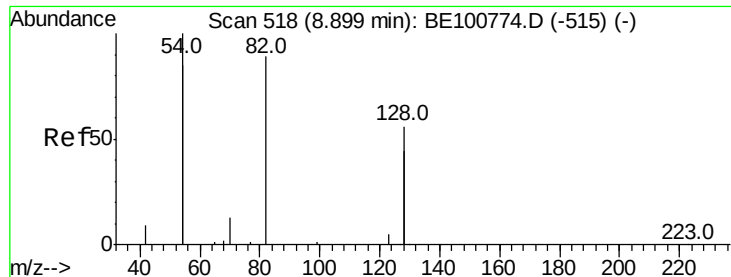
136 100

137 11.2 9.1 13.7

54 27.4 18.9 28.3

68 6.3 4.6 6.8





#8

Nitrobenzene-d5

Concen: 0.464 ng

RT: 8.90 min Scan# 518

Delta R.T. -0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

Instrument :

BNA_E

ClientSampleId :

RE132D4-20191209

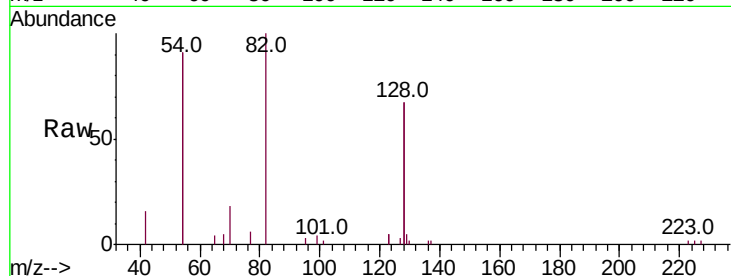
Tot Ion: 82 Resp: 4639

Ion Ratio Lower Upper

82 100

128 134.8 113.5 170.3

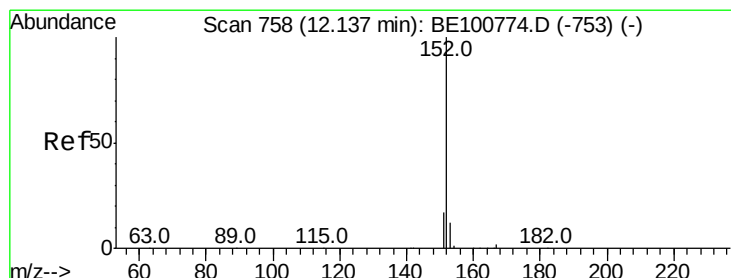
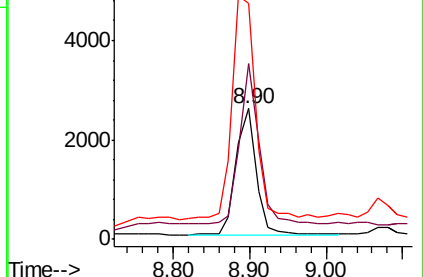
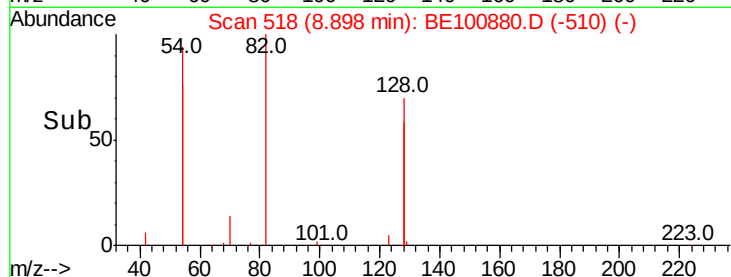
54 181.0 138.9 208.3



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: 0.376 ng

RT: 12.14 min Scan# 758

Delta R.T. 0.00 min

Lab File: BE100880.D

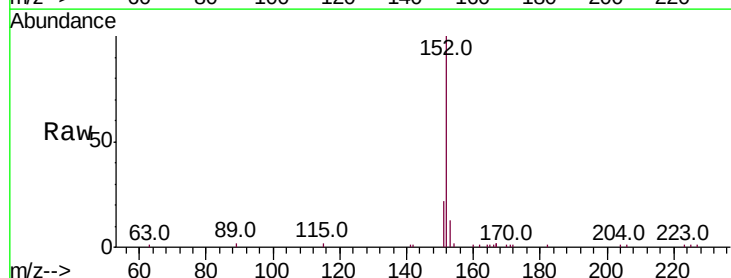
Acq: 13 Dec 2019 10:55

Tgt Ion: 152 Resp: 11433

Ion Ratio Lower Upper

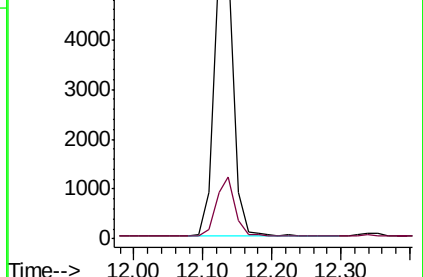
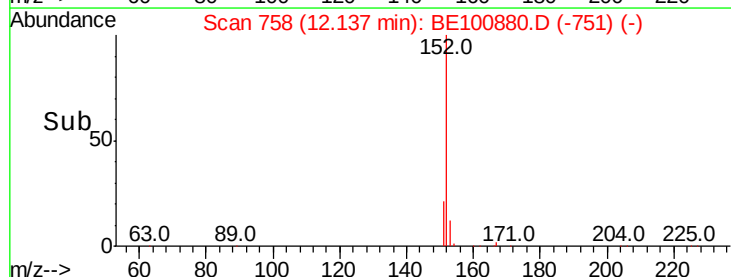
152 100

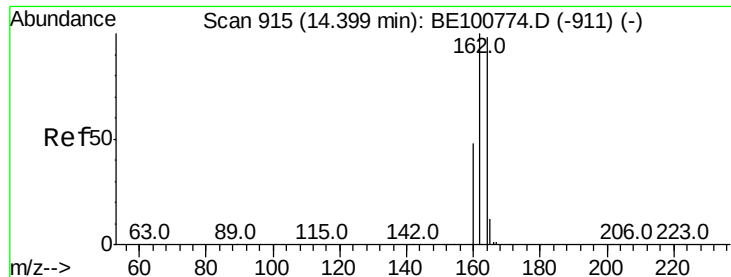
151 19.3 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

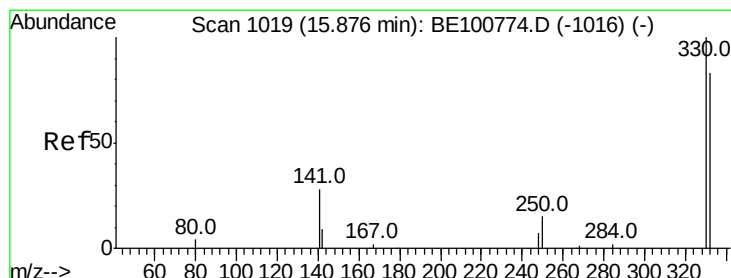
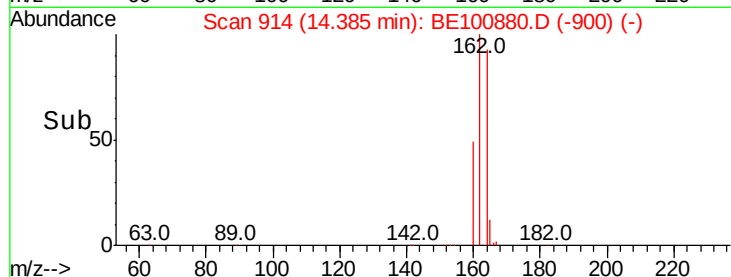
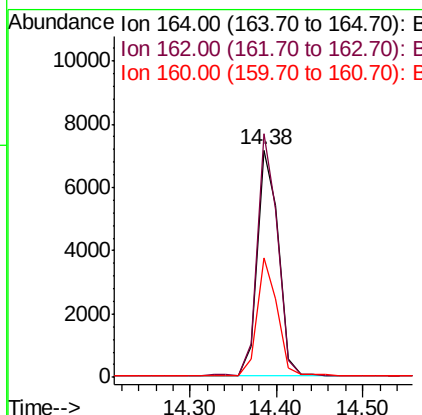
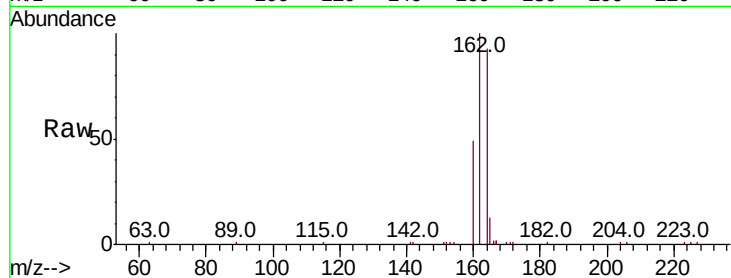




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100880.D
Acq: 13 Dec 2019 10:55

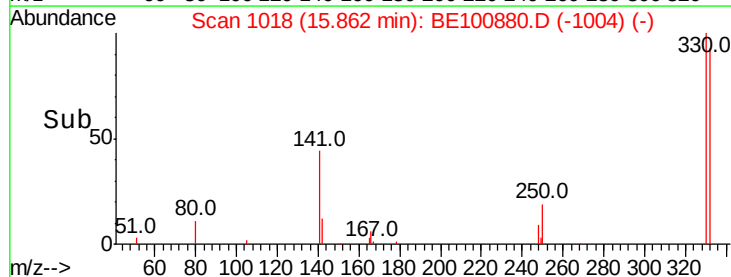
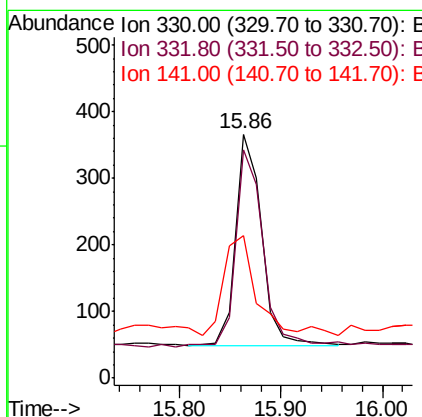
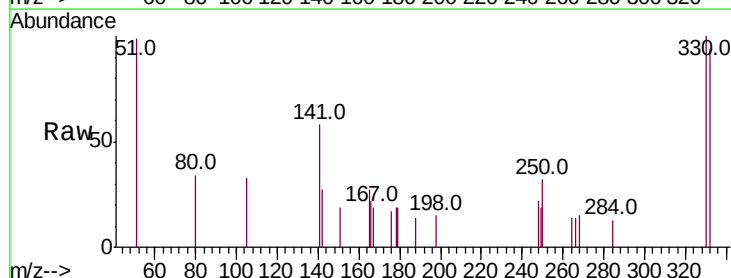
Instrument :
BNA_E
ClientSampleId :
RE132D4-20191209

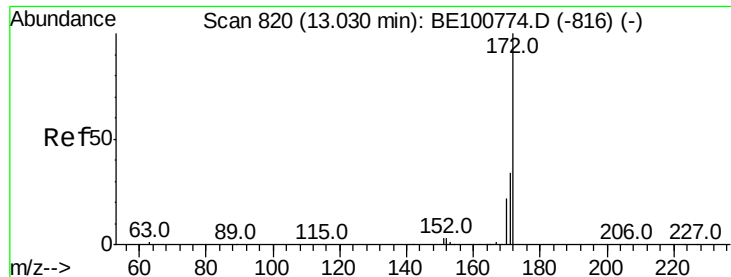
Tot Ion:164 Resp: 12153
Ion Ratio Lower Upper
164 100
162 107.0 86.0 129.0
160 52.6 42.3 63.5



#14
2,4,6-Tribromophenol
Concen: 0.428 ng
RT: 15.86 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE100880.D
Acq: 13 Dec 2019 10:55

Tgt Ion:330 Resp: 578
Ion Ratio Lower Upper
330 100
332 98.4 74.1 111.1
141 56.1 46.7 70.1

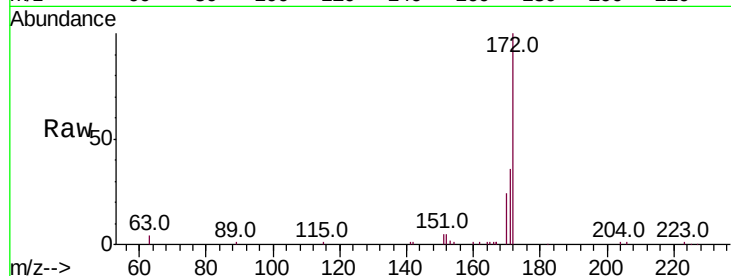




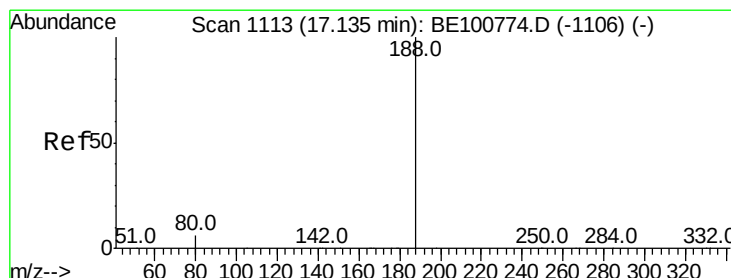
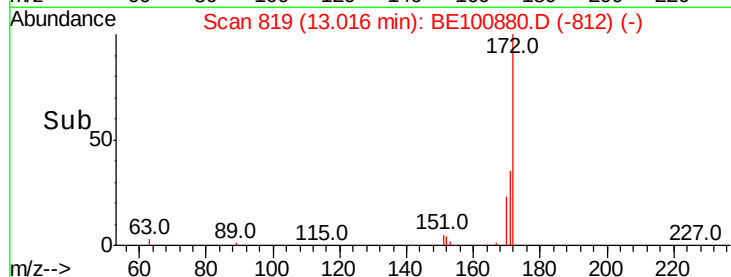
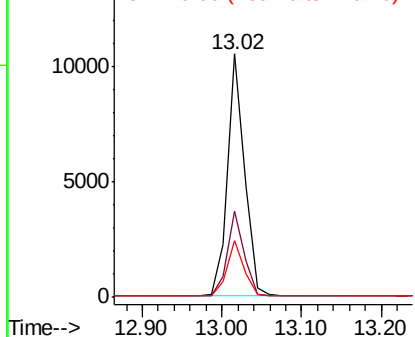
#15
2-Fluorobiphenyl
Concen: 0.323 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100880.D
Acq: 13 Dec 2019 10:55

Instrument :
BNA_E
ClientSampleId :
RE132D4-20191209

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.2	42.4
170	23.5	19.4	29.0

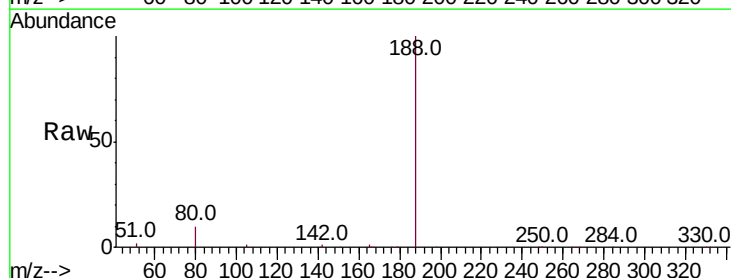


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

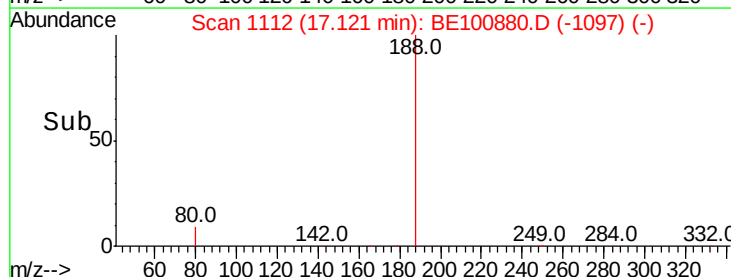
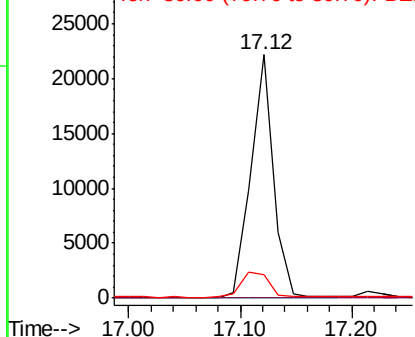


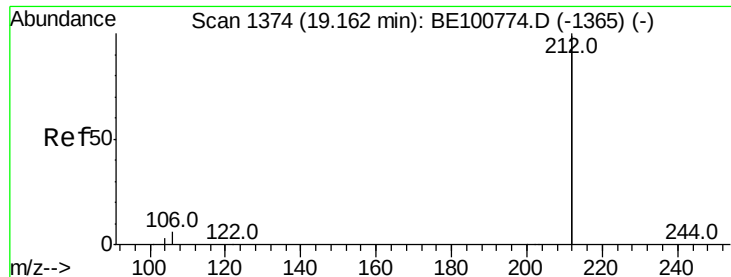
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE100880.D
Acq: 13 Dec 2019 10:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	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: 0.355 ng

RT: 19.15 min Scan# 1372

Delta R.T. 0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

Instrument :

BNA_E

ClientSampleId :

RE132D4-20191209

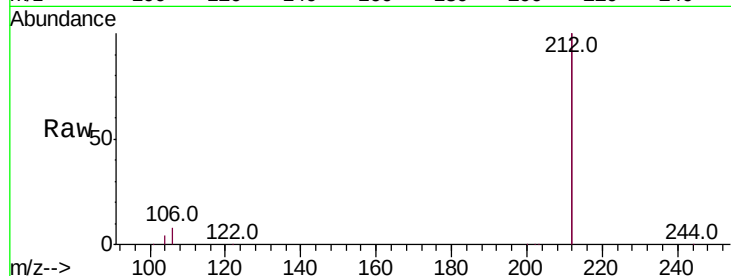
Tot Ion:212 Resp: 131409

Ion Ratio Lower Upper

212 100

106 3.4 2.6 4.0

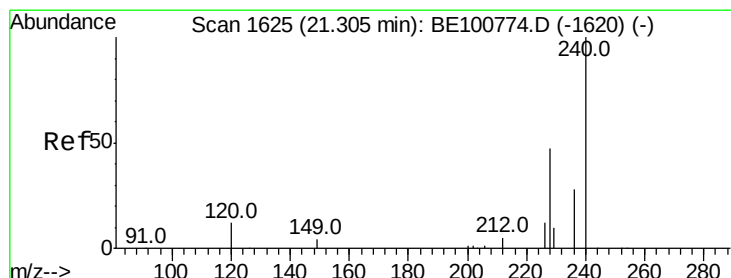
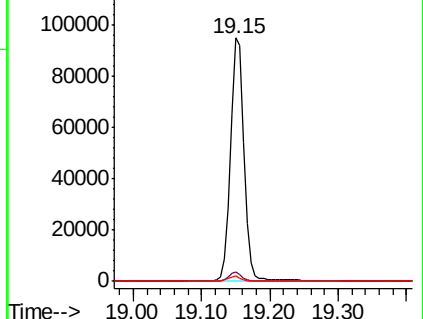
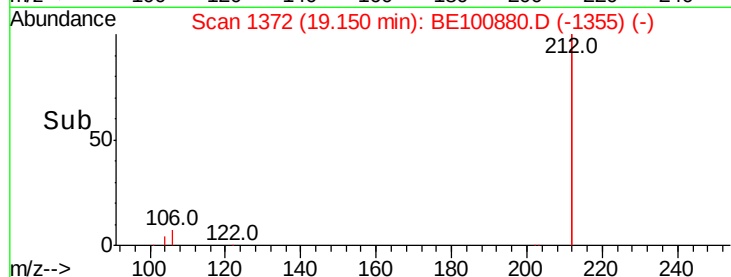
104 1.8 1.4 2.2



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: 21.29 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

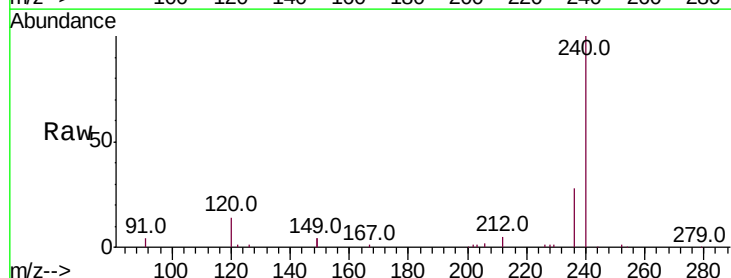
Tgt Ion:240 Resp: 28674

Ion Ratio Lower Upper

240 100

120 13.9 4.0 6.0#

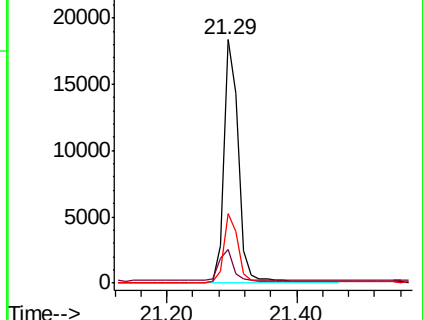
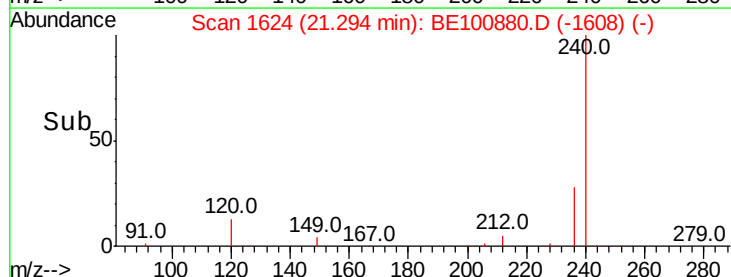
236 28.4 21.6 32.4

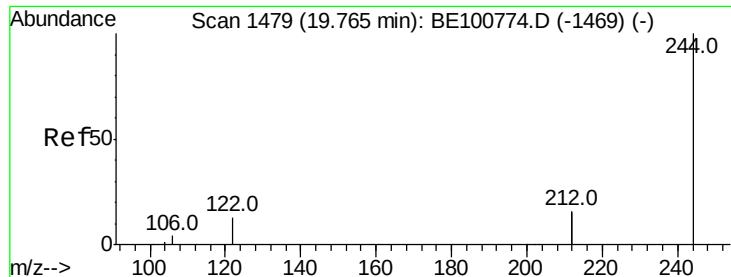


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 0.365 ng

RT: 19.75 min Scan# 1477

Delta R.T. -0.01 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

Instrument :

BNA_E

ClientSampleId :

RE132D4-20191209

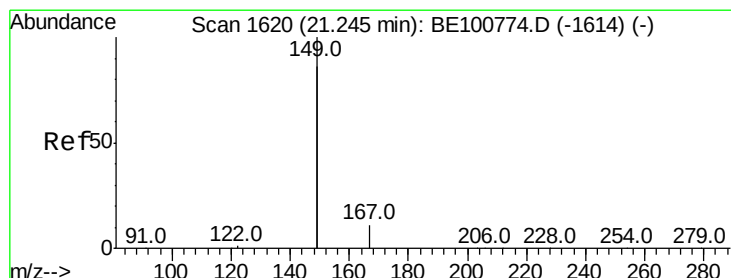
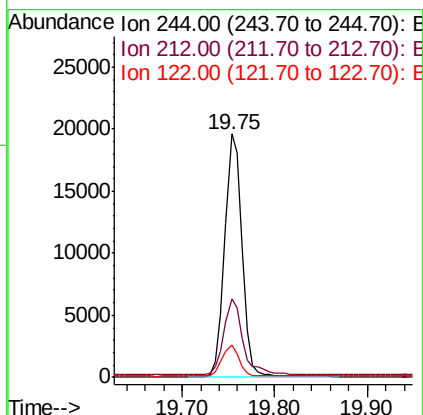
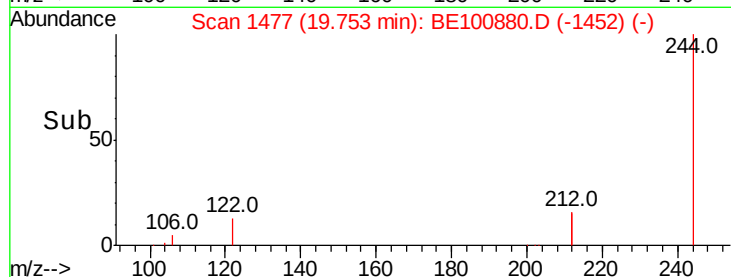
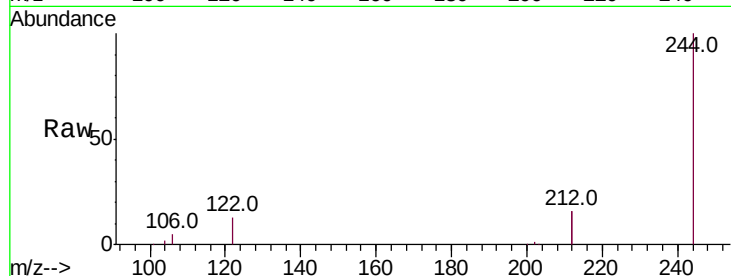
Tot Ion:244 Resp: 25098

Ion Ratio Lower Upper

244 100

212 32.4 25.2 37.8

122 13.3 8.9 13.3



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.602 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

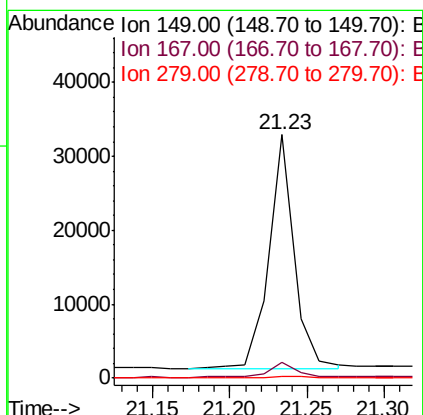
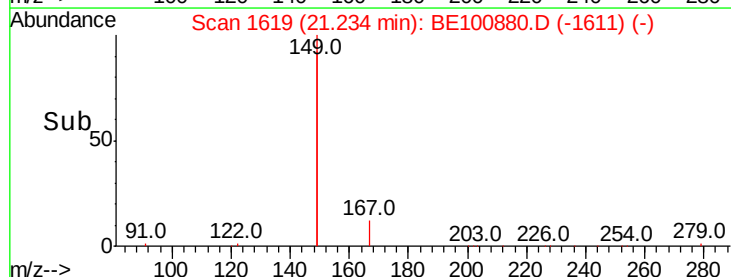
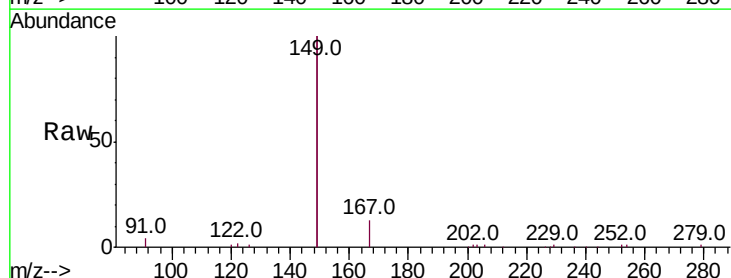
Tgt Ion:149 Resp: 36057

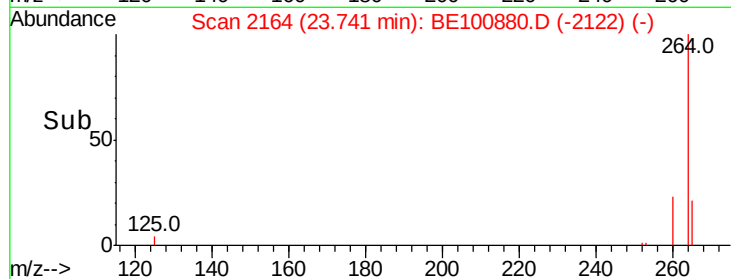
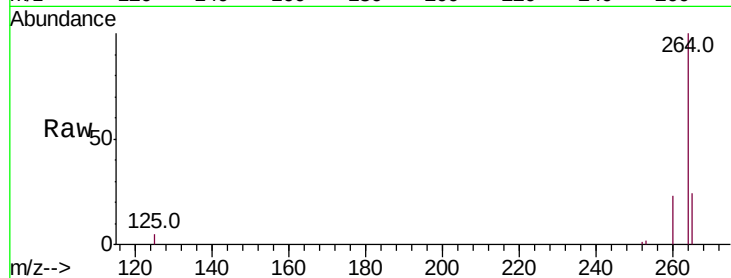
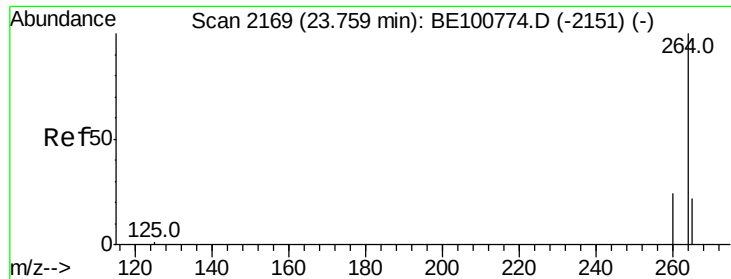
Ion Ratio Lower Upper

149 100

167 6.6 5.0 7.4

279 0.8 0.6 1.0





#34

Pervlene-d12

Concen: 0.400 ng

RT: 23.74 min Scan# 2164

Delta R.T. -0.00 min

Lab File: BE100880.D

Acq: 13 Dec 2019 10:55

Instrument :

BNA_E

ClientSampleId :

RE132D4-20191209

Tot Ion: 264 Resp: 34124

Ion Ratio Lower Upper

264 100

260 23.3 19.4 29.0

265 24.3 20.1 30.1

