

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE102319\
 Data File : BE100670.D
 Acq On : 23 Oct 2019 20:19
 Operator : JU
 Sample : K5486-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 24 01:34:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 16:49:33 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	3238	0.40	ng	0.00
7) Naphthalene-d8	10.63	136	13607	0.40	ng	0.00
13) Acenaphthene-d10	14.47	164	8524	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	21481	0.40	ng	-0.01
27) Chrysene-d12	21.35	240	31251	0.40	ng	0.00
34) Perylene-d12	23.83	264	36261	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.44	112	2460	0.25	ng	0.00
5) Phenol-d6	7.01	99	2363	0.17	ng	0.00
8) Nitrobenzene-d5	8.99	82	3988	0.47	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	7612	0.35	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1248	0.55	ng	0.00
15) 2-Fluorobiphenyl	13.10	172	11030	0.36	ng	0.00
25) Fluoranthene-d10	19.22	212	111124	0.40	ng	0.00
29) Terphenyl-d14	19.82	244	27295	0.40	ng	0.00

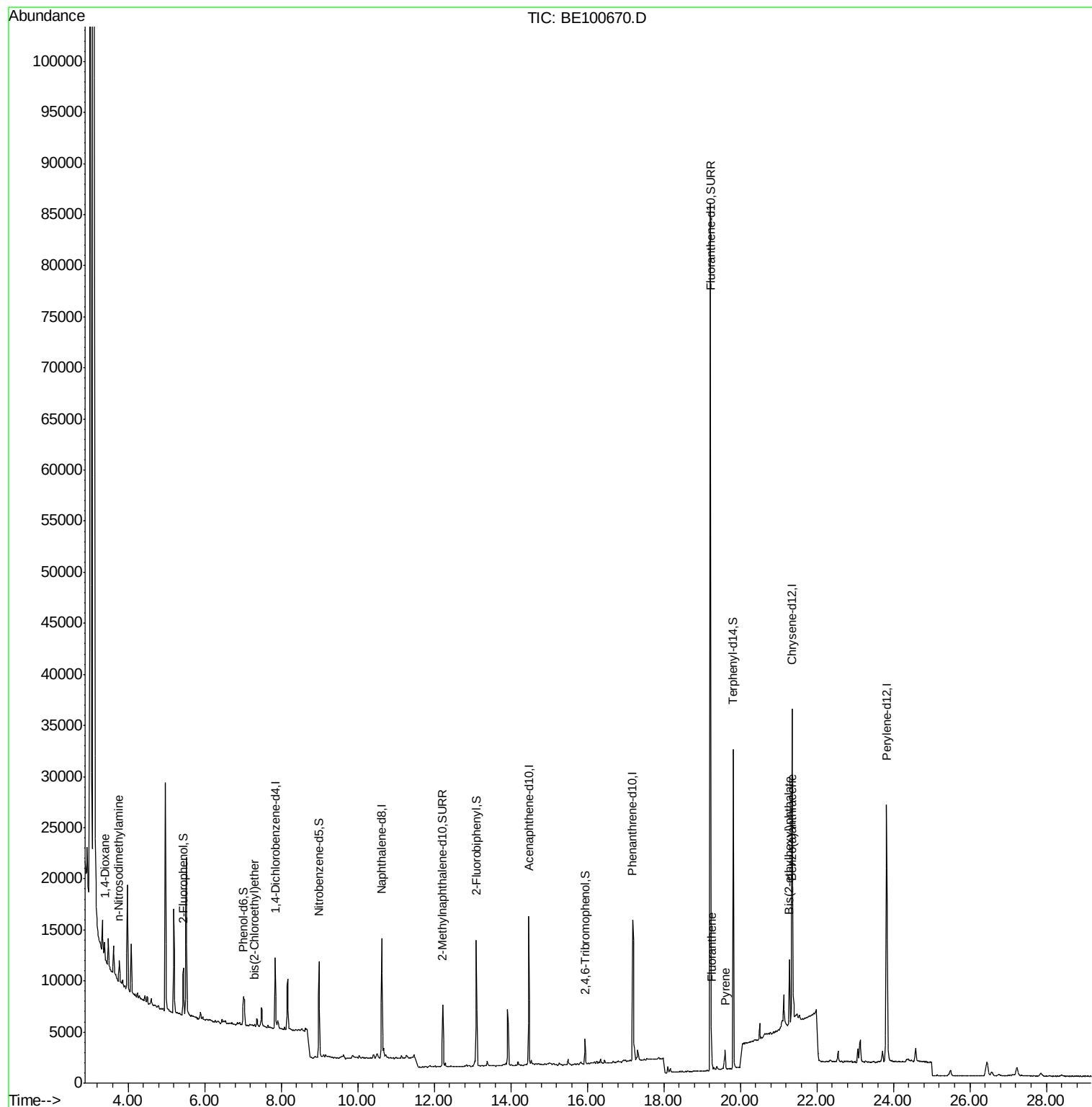
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.38	88	1346	0.233	ng	# 79
3) n-Nitrosodimethylamine	3.76	42	232	0.038	ng	# 13
6) bis(2-Chloroethyl)ether	7.30	93	255	0.022	ng	# 1
26) Fluoranthene	19.25	202	1724	0.022	ng	# 95
28) Pyrene	19.60	202	1770	0.020	ng	# 95
30) Benzo(a)anthracene	21.34	228	2053	0.020	ng	# 84
32) Bis(2-ethylhexyl)phthalate	21.28	149	9667	0.045	ng	100

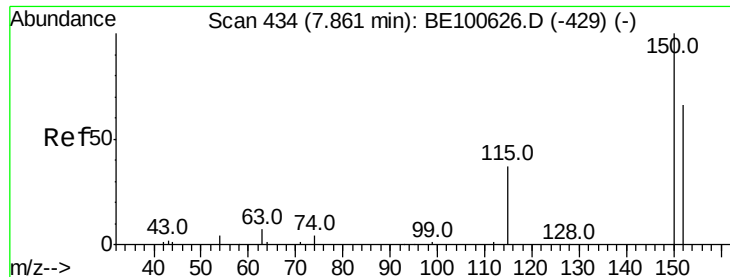
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. 0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

Instrument :

BNA_E

ClientSampleId :

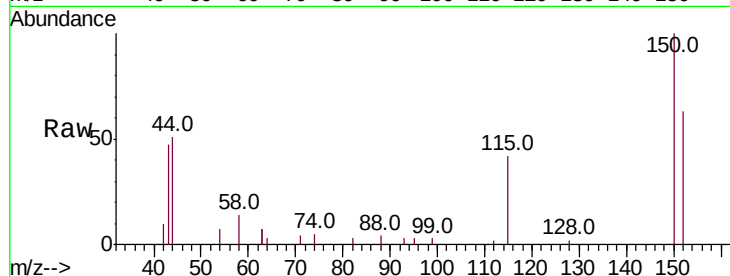
Tot Ion:152 Resp: 3238

Ion Ratio Lower Upper

152 100

150 157.5 123.3 184.9

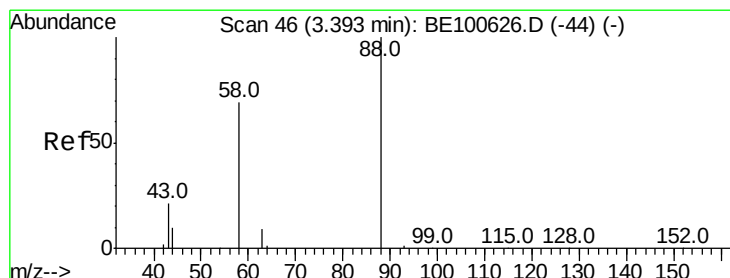
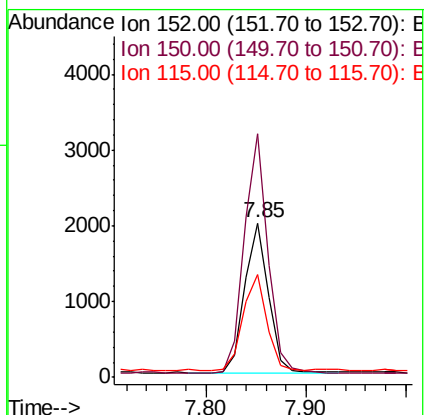
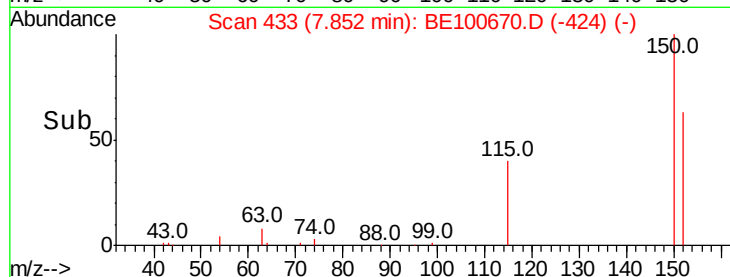
115 66.8 51.9 77.9



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: 0.233 ng

RT: 3.38 min Scan# 45

Delta R.T. 0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

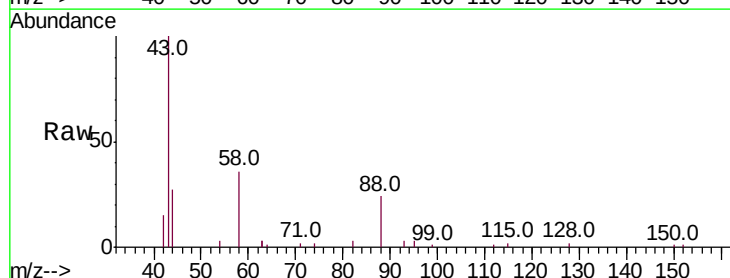
Tgt Ion: 88 Resp: 1346

Ion Ratio Lower Upper

88 100

58 69.7 59.8 89.6

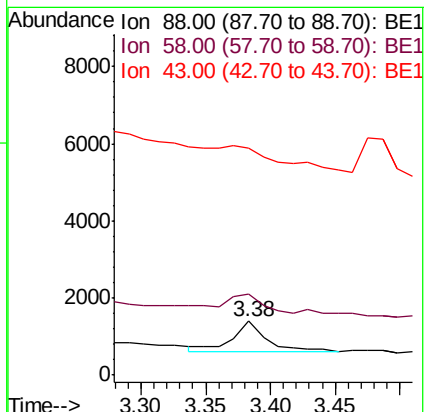
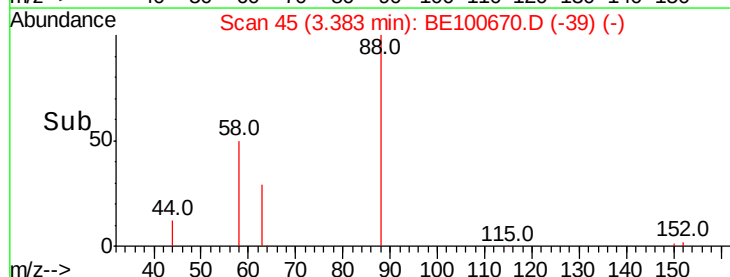
43 0.0 24.6 36.8#

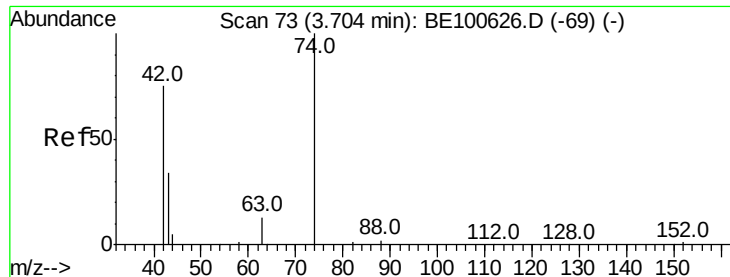


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 0.038 ng

RT: 3.76 min Scan# 78

Delta R.T. 0.07 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

Instrument :

BNA_E

ClientSampleId :

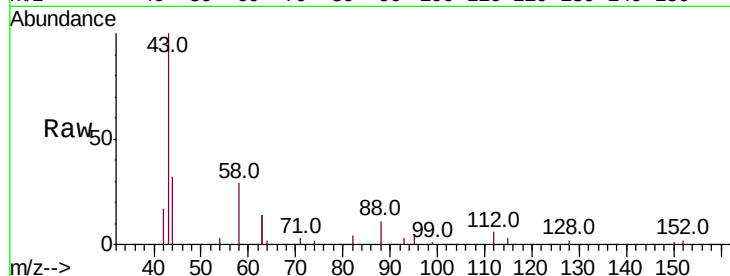
Tot Ion: 42 Resp: 232

Ion Ratio Lower Upper

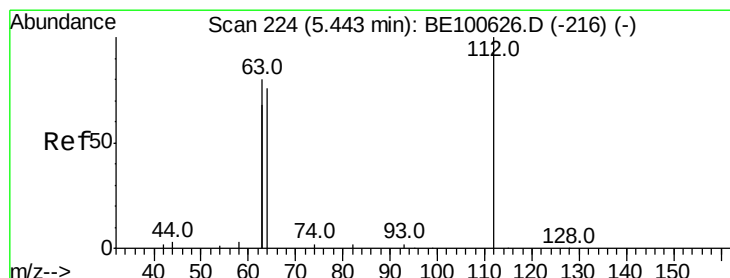
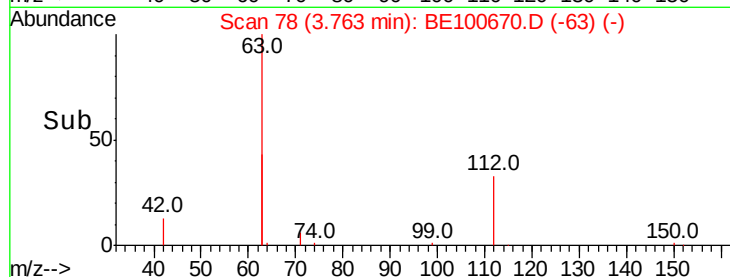
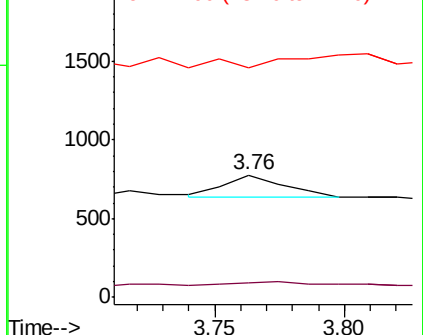
42 100

74 15.9 97.2 145.8#

44 0.0 16.6 24.8#



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: 0.246 ng

RT: 5.44 min Scan# 224

Delta R.T. 0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

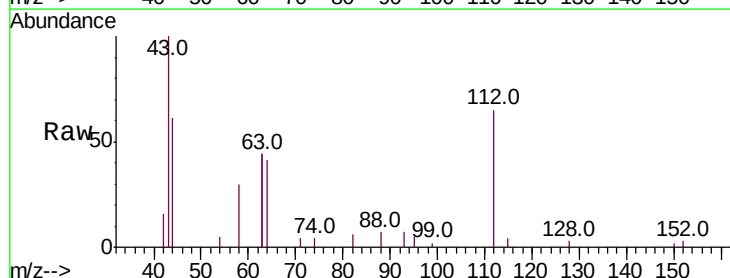
Tgt Ion: 112 Resp: 2460

Ion Ratio Lower Upper

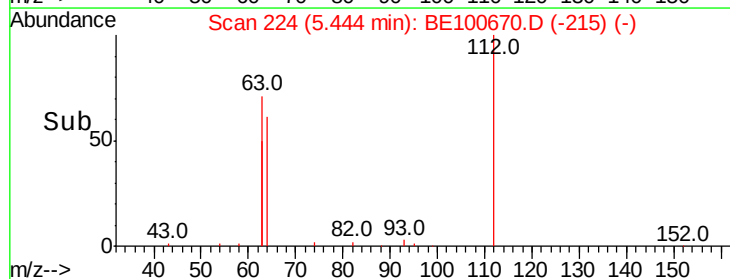
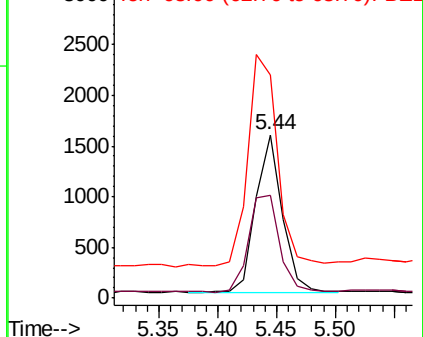
112 100

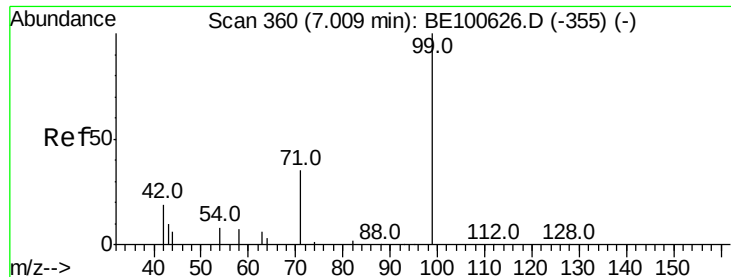
64 70.5 55.4 83.2

63 150.7 114.2 171.4



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: 0.168 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

Instrument :

BNA_E

ClientSampleId :

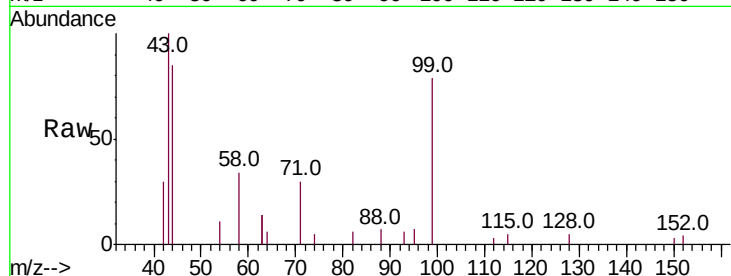
Tot Ion: 99 Resp: 2363

Ion Ratio Lower Upper

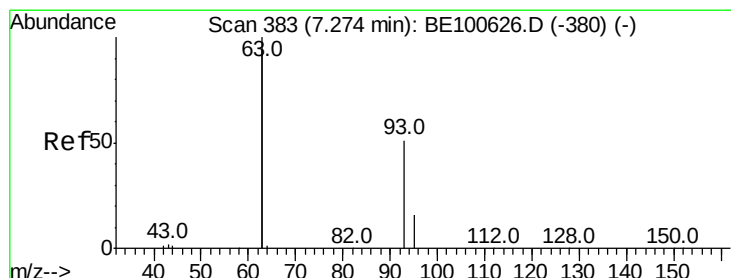
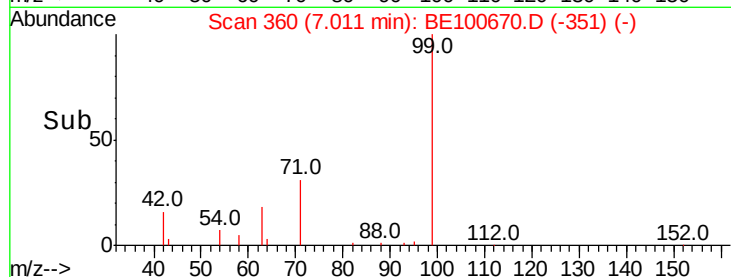
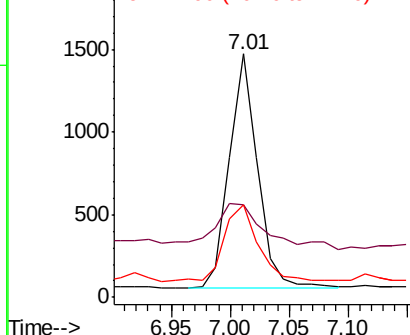
99 100

42 34.7 17.7 26.5#

71 39.3 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE1
2000
Ion 42.00 (41.70 to 42.70): BE1
Ion 71.00 (70.70 to 71.70): BE1



#6

bis(2-Chloroethyl)ether

Concen: 0.022 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.02 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

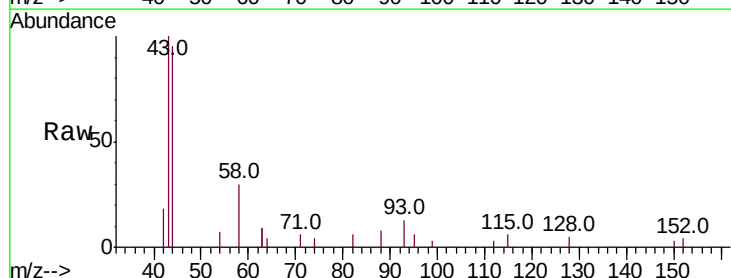
Tgt Ion: 93 Resp: 255

Ion Ratio Lower Upper

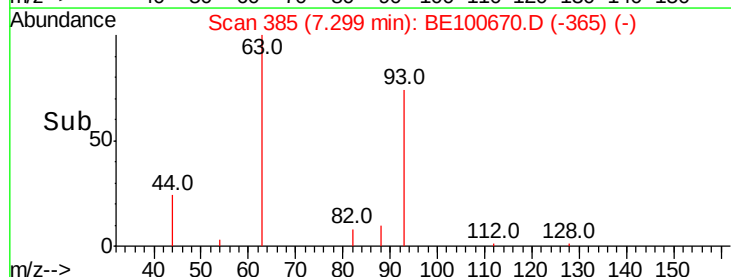
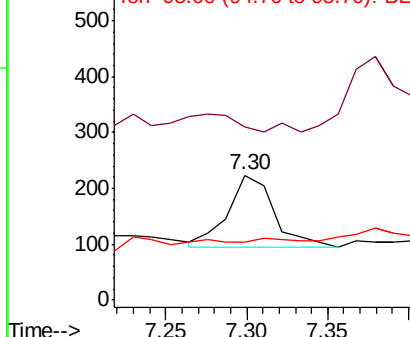
93 100

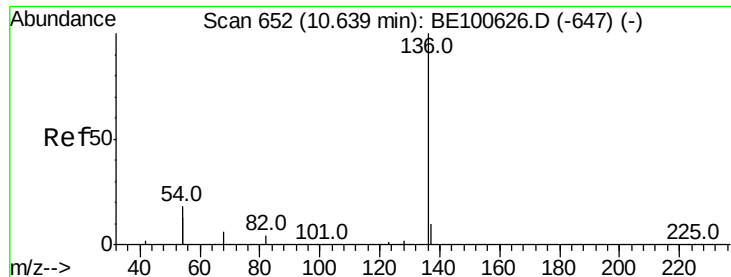
63 0.0 268.8 403.2#

95 4.7 25.6 38.4#



Abundance Ion 93.00 (92.70 to 93.70): BE1
600
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: 10.63 min Scan# 651

Delta R.T. -0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 13607

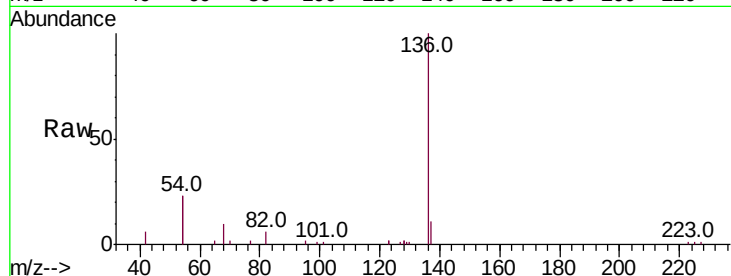
Ion Ratio Lower Upper

136 100

137 11.4 9.2 13.8

54 46.6 39.4 59.2

68 9.9 8.0 12.0

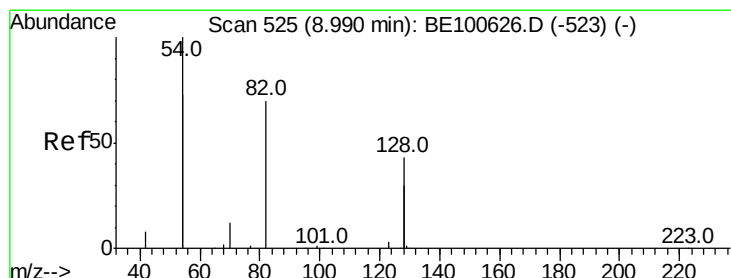
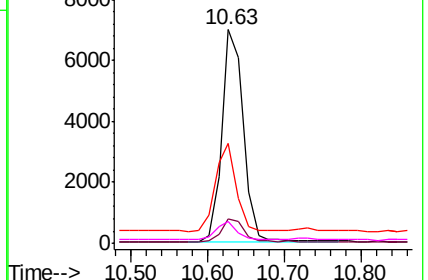
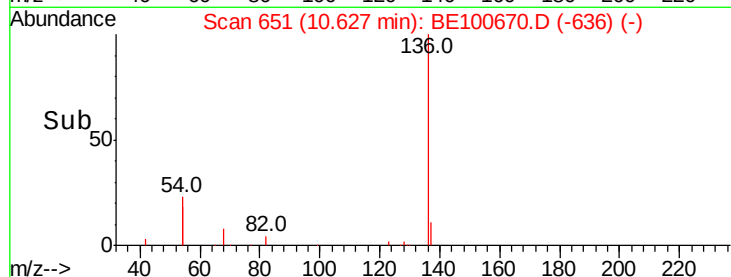


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.473 ng

RT: 8.99 min Scan# 525

Delta R.T. -0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

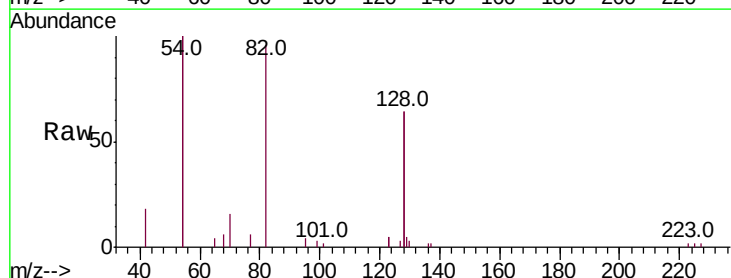
Tgt Ion: 82 Resp: 3988

Ion Ratio Lower Upper

82 100

128 132.7 107.8 161.8

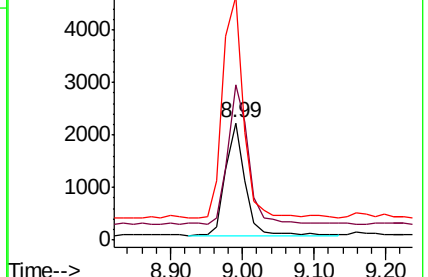
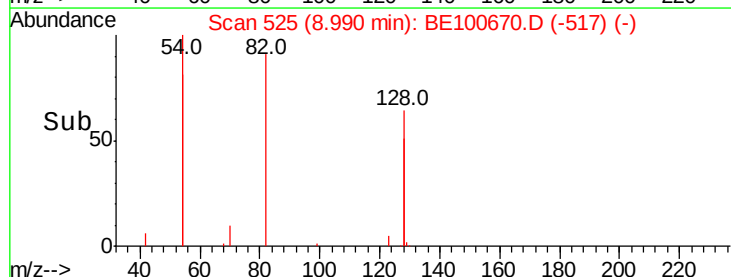
54 208.2 166.1 249.1

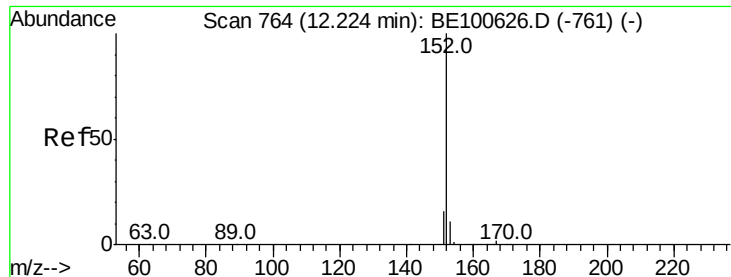


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

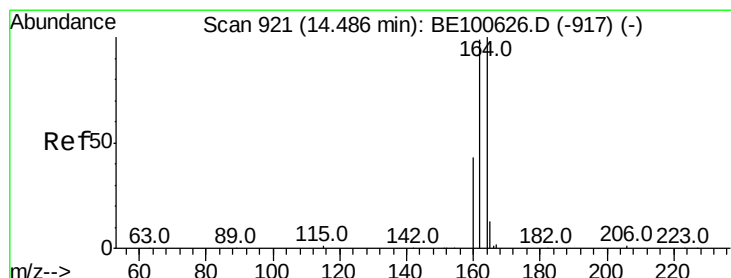
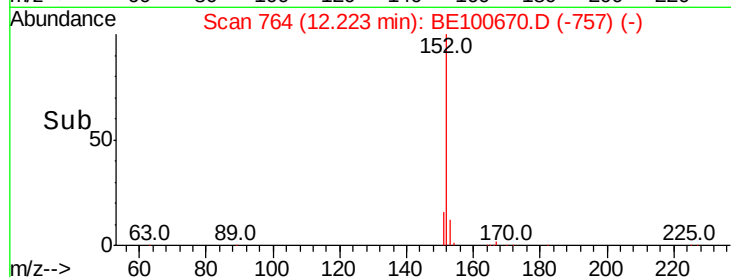
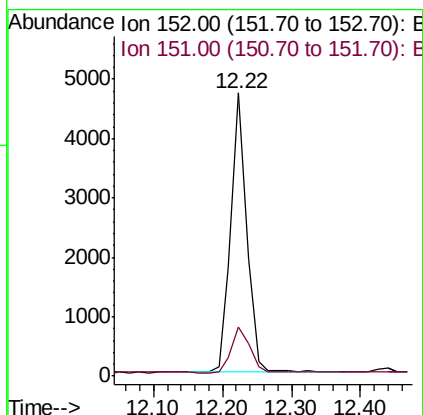
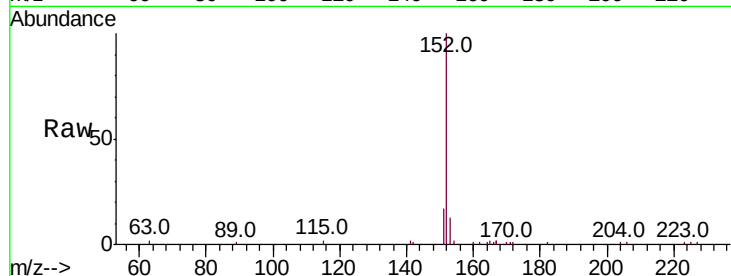




#11
 2-Methylnaphthalene-d10
 Concen: 0.355 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100670.D
 Acq: 23 Oct 2019 20:19

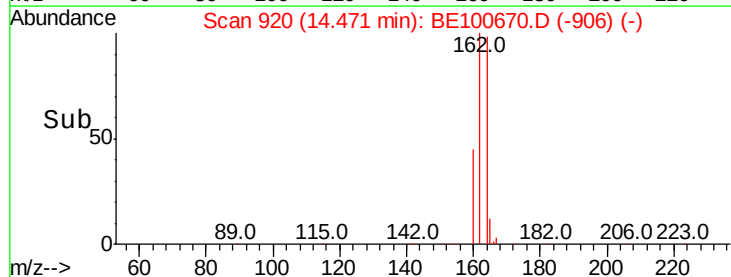
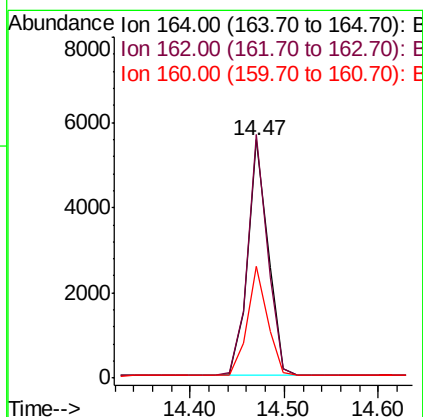
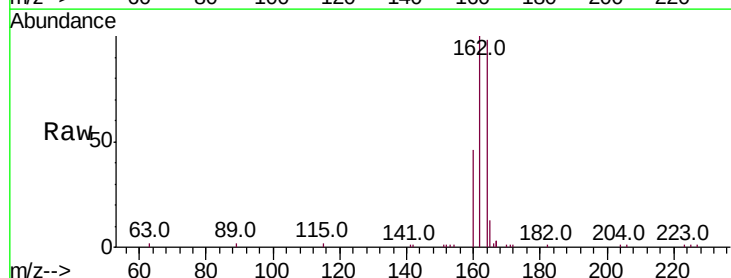
Instrument :
 BNA_E
 ClientSampled :

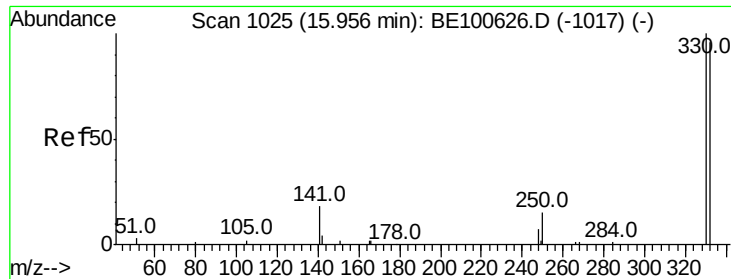
Tot Ion:152 Resp: 7612
 Ion Ratio Lower Upper
 152 100
 151 19.1 14.7 22.1



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.47 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: BE100670.D
 Acq: 23 Oct 2019 20:19

Tgt Ion:164 Resp: 8524
 Ion Ratio Lower Upper
 164 100
 162 102.2 82.0 123.0
 160 46.7 37.5 56.3

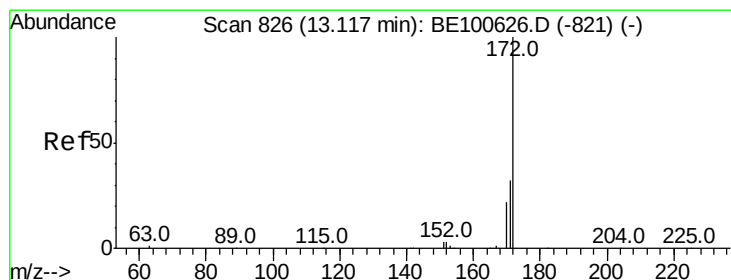
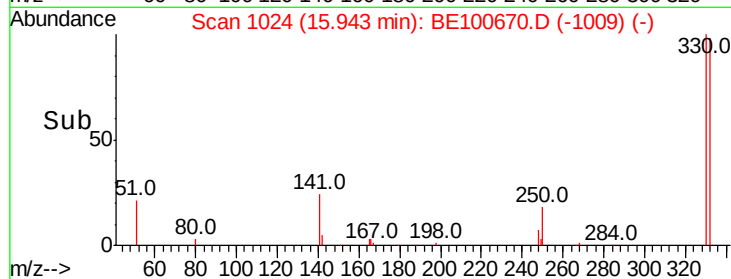
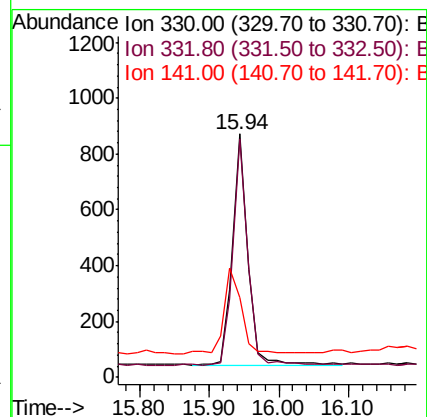
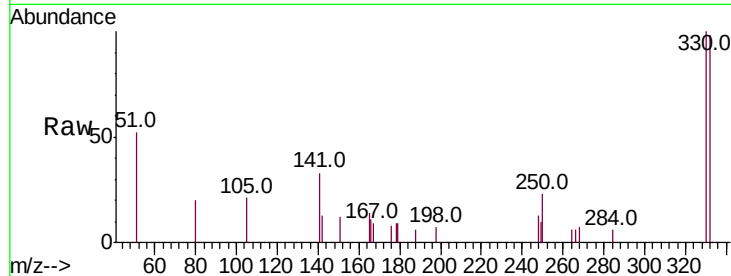




#14
 2,4,6-Tribromophenol
 Concen: 0.554 ng
 RT: 15.94 min Scan# 1024
 Delta R.T. 0.00 min
 Lab File: BE100670.D
 Acq: 23 Oct 2019 20:19

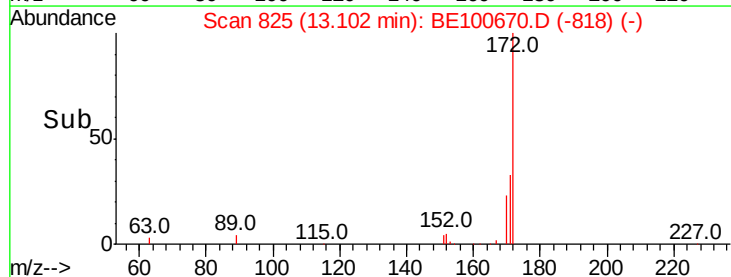
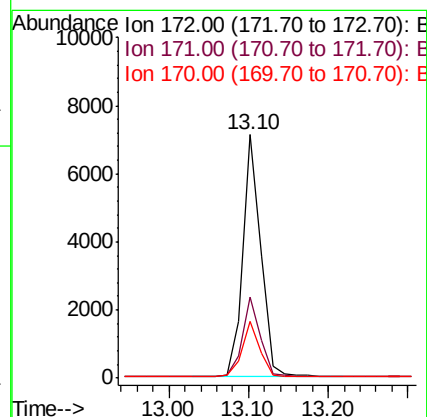
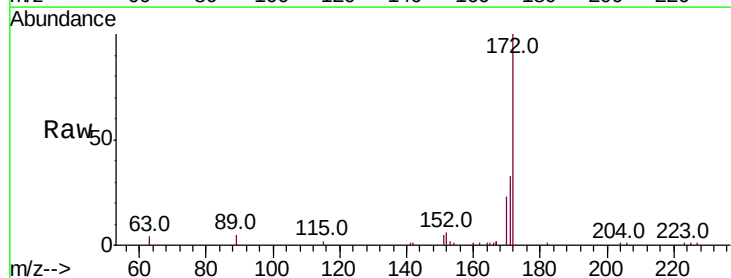
Instrument :
 BNA_E
 ClientSampled :

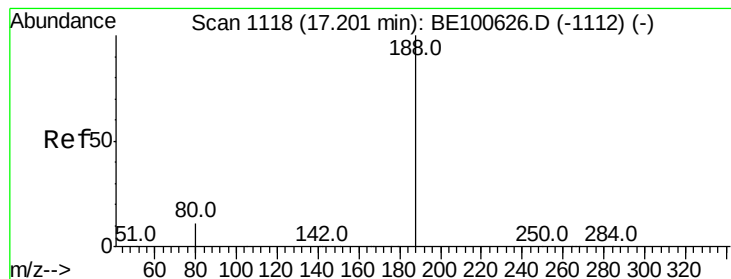
Tot Ion:330 Resp: 1248
 Ion Ratio Lower Upper
 330 100
 332 95.0 77.9 116.9
 141 44.3 33.0 49.6



#15
 2-Fluorobiphenyl
 Concen: 0.355 ng
 RT: 13.10 min Scan# 825
 Delta R.T. -0.00 min
 Lab File: BE100670.D
 Acq: 23 Oct 2019 20:19

Tgt Ion:172 Resp: 11030
 Ion Ratio Lower Upper
 172 100
 171 33.3 26.5 39.7
 170 23.4 19.0 28.4





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

Instrument :

BNA_E

ClientSampleId :

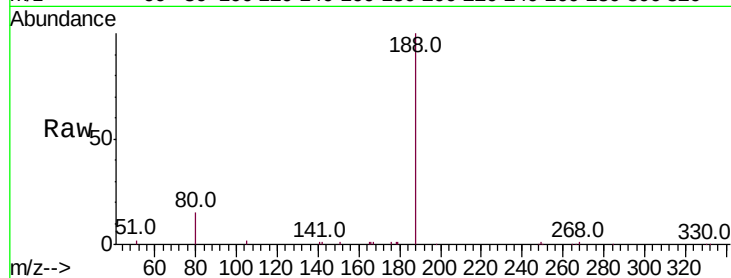
Tot Ion:188 Resp: 21481

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

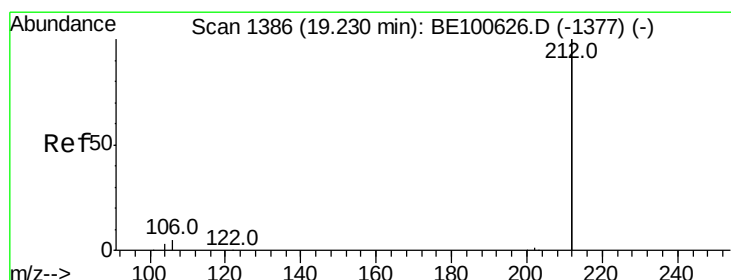
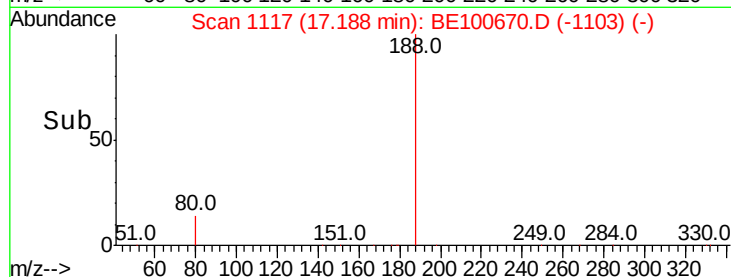
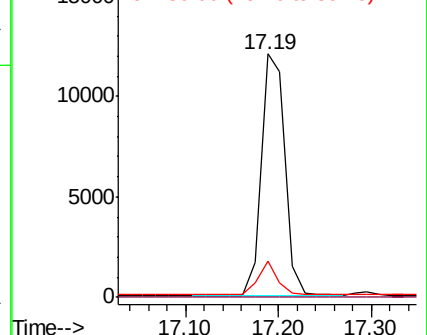
80 14.7 5.4 8.0#



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: 0.401 ng

RT: 19.22 min Scan# 1384

Delta R.T. 0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

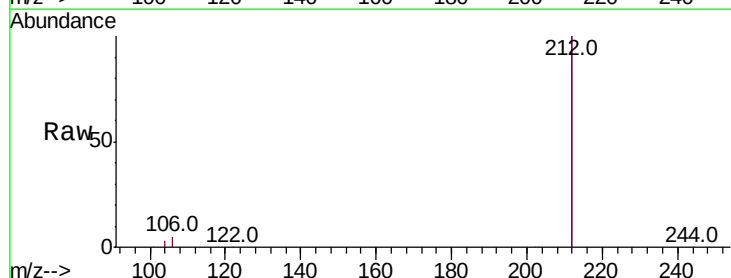
Tgt Ion:212 Resp: 111124

Ion Ratio Lower Upper

212 100

106 2.9 2.3 3.5

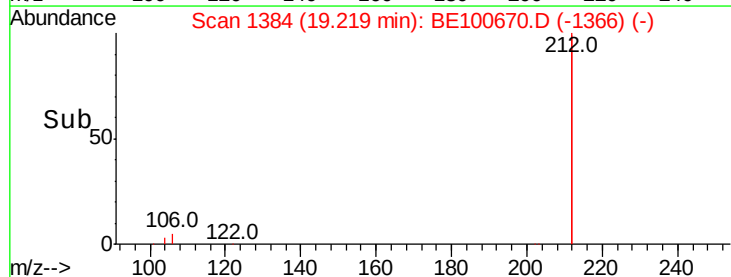
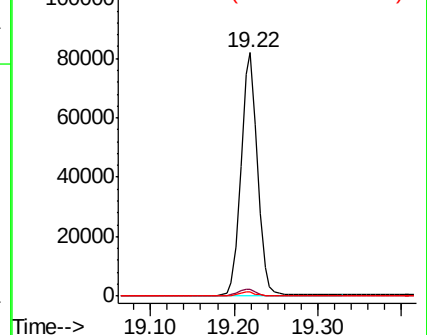
104 1.6 1.3 1.9

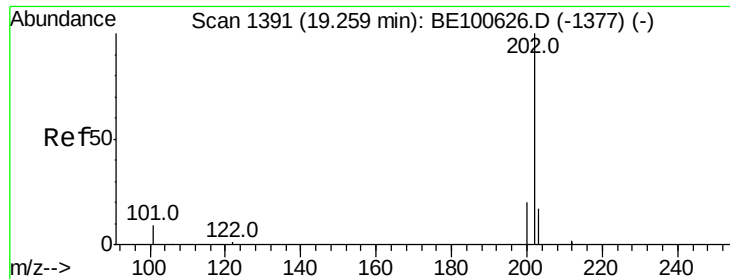


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

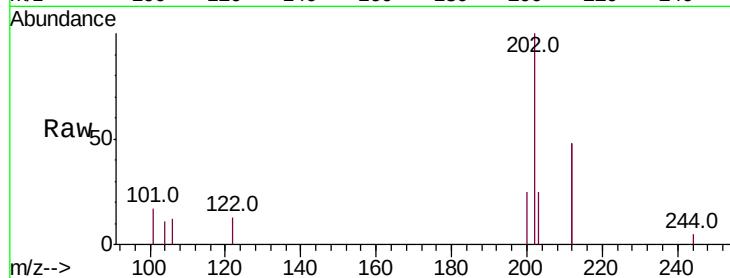




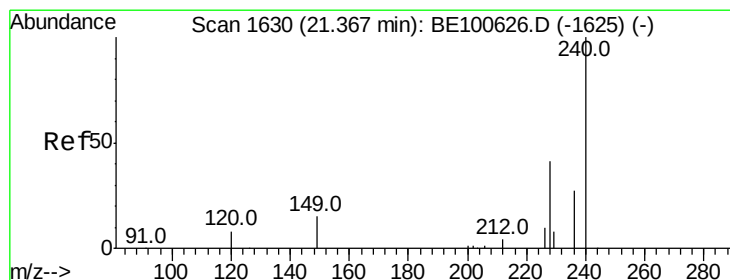
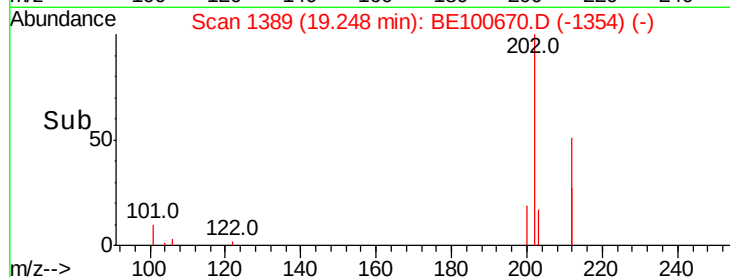
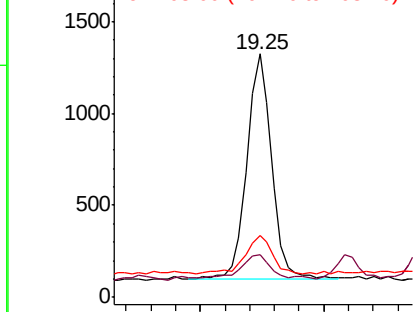
#26
Fluoranthene
Concen: 0.022 ng
RT: 19.25 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BE100670.D
Acq: 23 Oct 2019 20:19

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 1724
Ion Ratio Lower Upper
202 100
101 13.3 8.5 12.7#
203 18.6 13.8 20.8

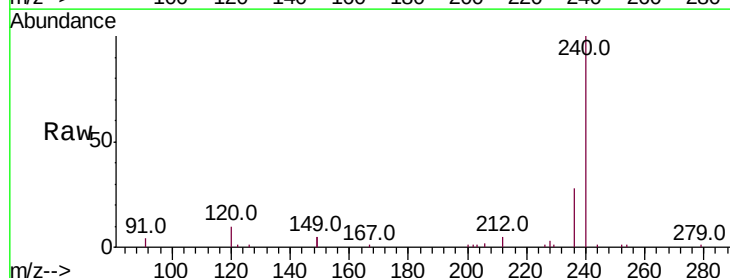


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

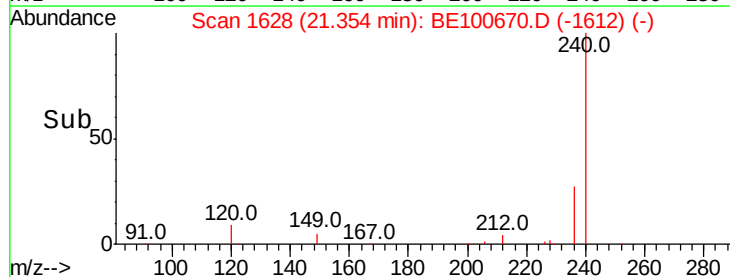
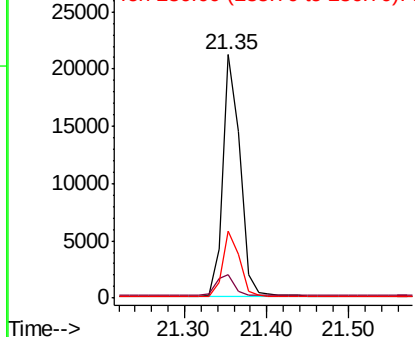


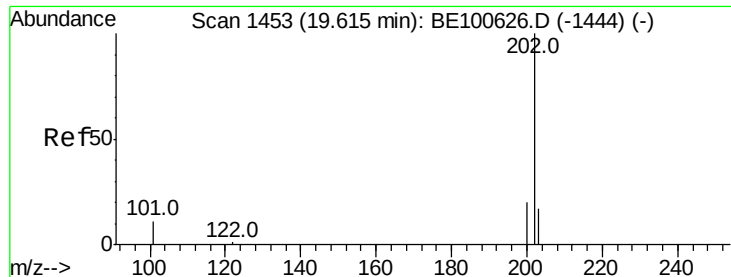
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100670.D
Acq: 23 Oct 2019 20:19

Tgt Ion:240 Resp: 31251
Ion Ratio Lower Upper
240 100
120 9.6 7.6 11.4
236 27.5 22.1 33.1



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

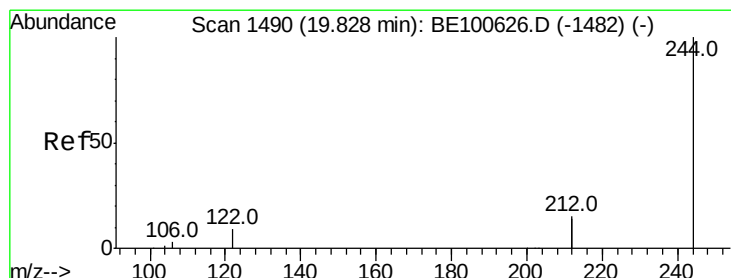
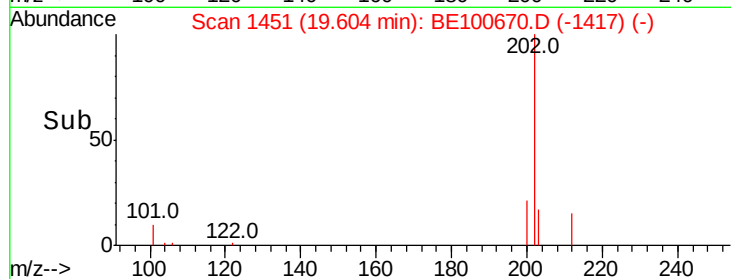
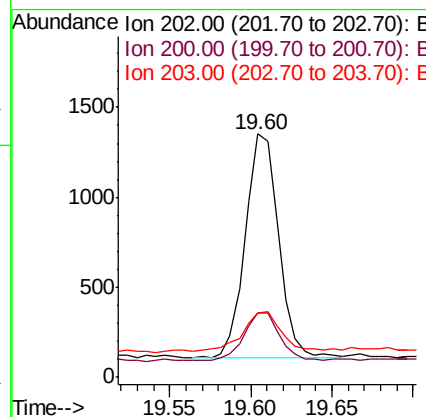
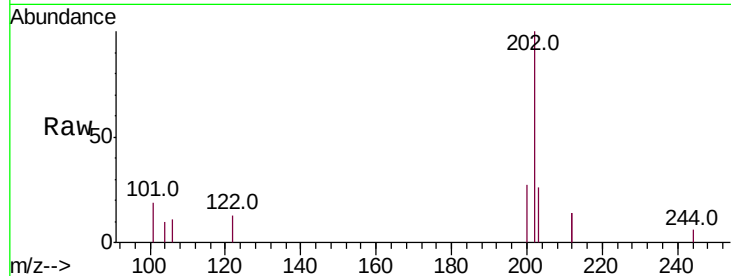




#28
Pvrene
Concen: 0.020 ng
RT: 19.60 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BE100670.D
Acq: 23 Oct 2019 20:19

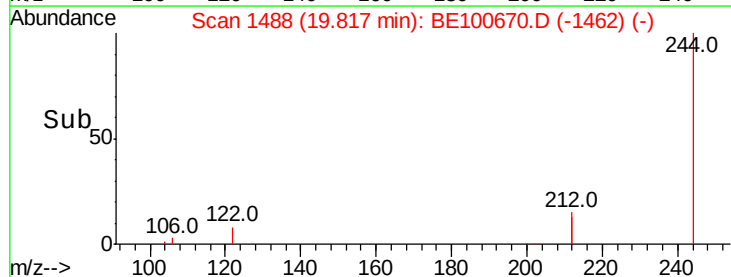
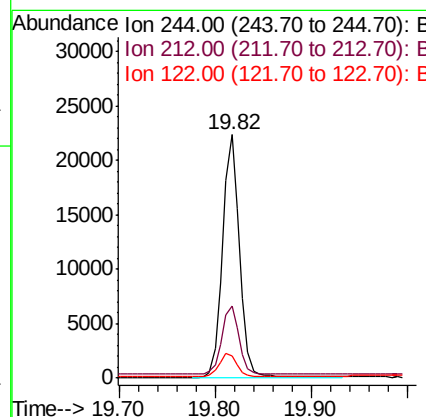
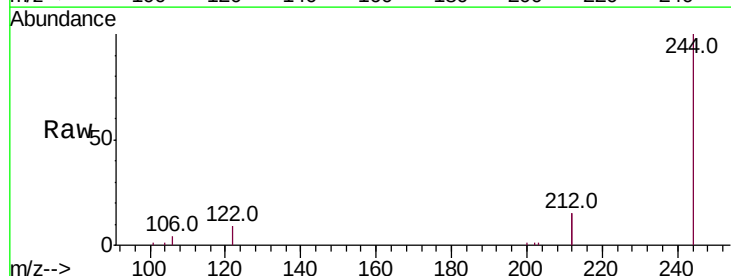
Instrument :
BNA_E
ClientSampleId :

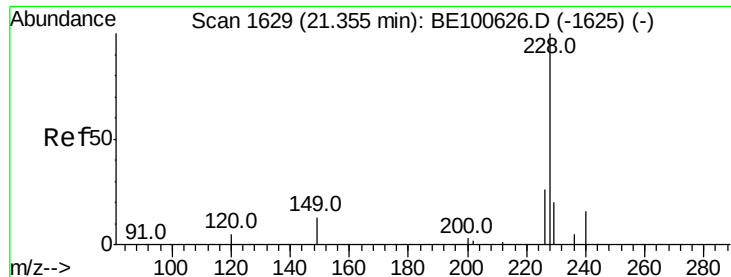
Tot Ion:202 Resp: 1770
Ion Ratio Lower Upper
202 100
200 22.9 16.7 25.1
203 20.3 14.0 21.0



#29
Terphenyl-d14
Concen: 0.399 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE100670.D
Acq: 23 Oct 2019 20:19

Tgt Ion:244 Resp: 27295
Ion Ratio Lower Upper
244 100
212 29.6 23.7 35.5
122 8.9 7.9 11.9





#30

Benzo(a)anthracene

Concen: 0.020 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

Instrument :

BNA_E

ClientSampleId :

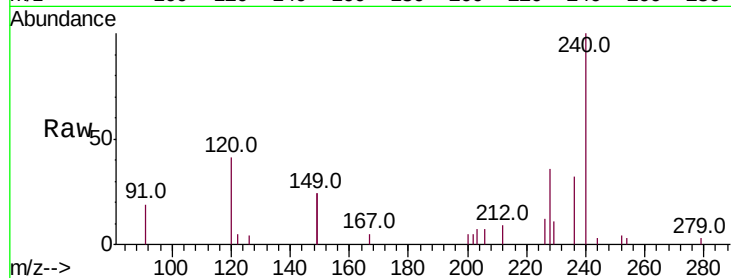
Tot Ion:228 Resp: 2053

Ion Ratio Lower Upper

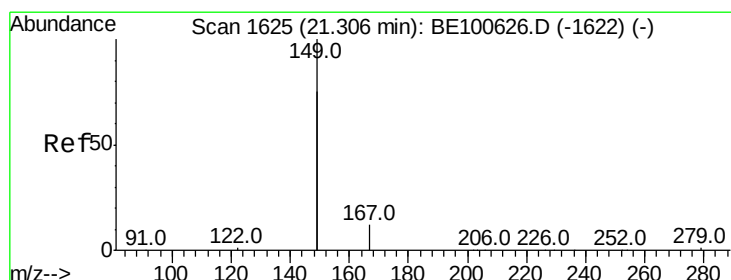
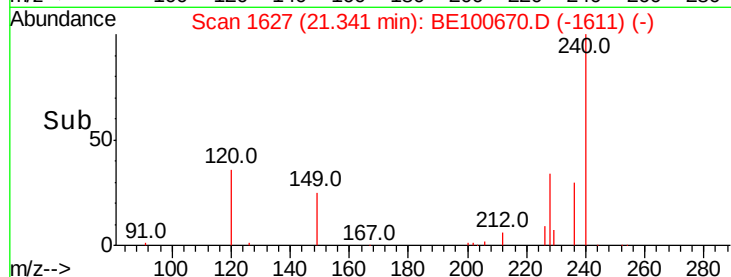
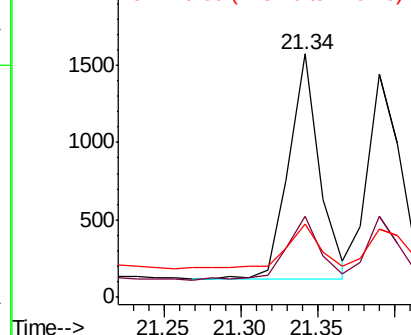
228 100

226 33.2 21.4 32.0#

229 29.9 16.0 24.0#



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.045 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.01 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

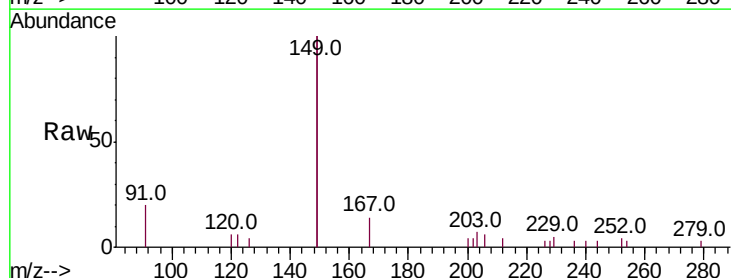
Tgt Ion:149 Resp: 9667

Ion Ratio Lower Upper

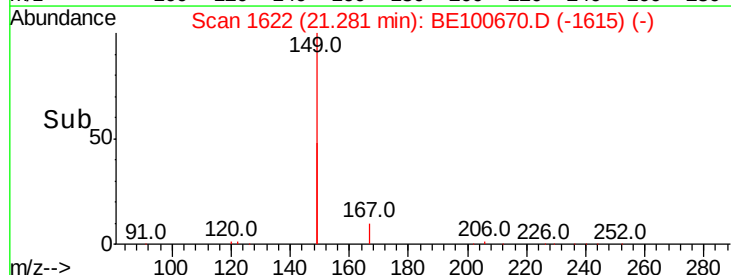
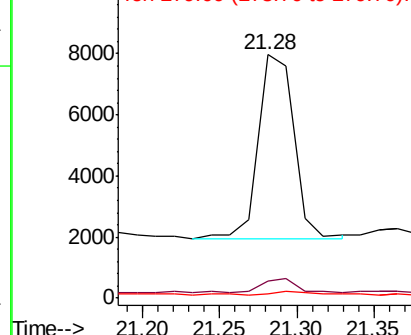
149 100

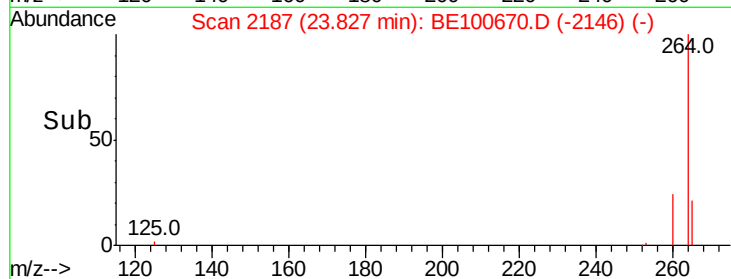
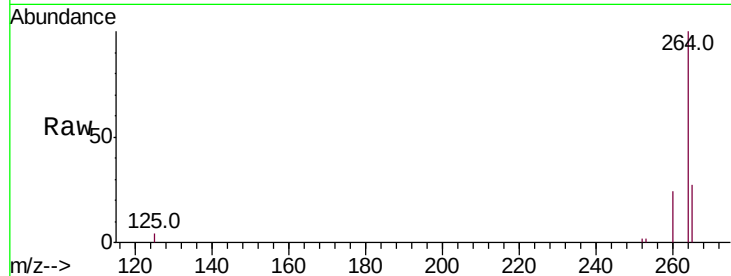
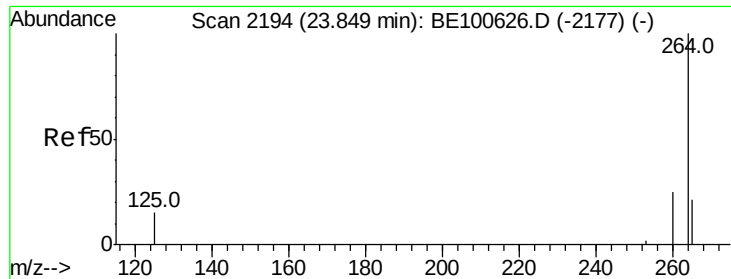
167 6.7 5.5 8.3

279 1.0 0.9 1.3



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

Pervlene-d12

Concen: 0.400 ng

RT: 23.83 min Scan# 2187

Delta R.T. -0.00 min

Lab File: BE100670.D

Acq: 23 Oct 2019 20:19

Instrument :

BNA_E

ClientSampleId :

Tot Ion:264 Resp: 36261

Ion Ratio Lower Upper

264 100

260 24.4 19.4 29.2

265 27.4 21.7 32.5

