

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121619\
 Data File : BE100931.D
 Acq On : 16 Dec 2019 23:10
 Operator : JU
 Sample : K6271-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Dec 17 06:20:07 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	4164	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	18994	0.40	ng	0.00
13) Acenaphthene-d10	14.39	164	12483	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	30699	0.40	ng	0.00
27) Chrysene-d12	21.29	240	27917	0.40	ng	-0.01
34) Perylene-d12	23.74	264	29908	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.36	112	2890	0.29	ng	-0.01
5) Phenol-d6	6.93	99	5965	0.40	ng	0.00
8) Nitrobenzene-d5	8.90	82	10763	1.19	ng	0.00
11) 2-Methylnaphthalene-d10	12.12	152	5678	0.21	ng	-0.01
14) 2,4,6-Tribromophenol	15.86	330	401	0.29	ng	-0.01
15) 2-Fluorobiphenyl	13.02	172	7692	0.16	ng	0.00
25) Fluoranthene-d10	19.15	212	60549	0.17	ng	0.00
29) Terphenyl-d14	19.75	244	10799	0.16	ng	0.00

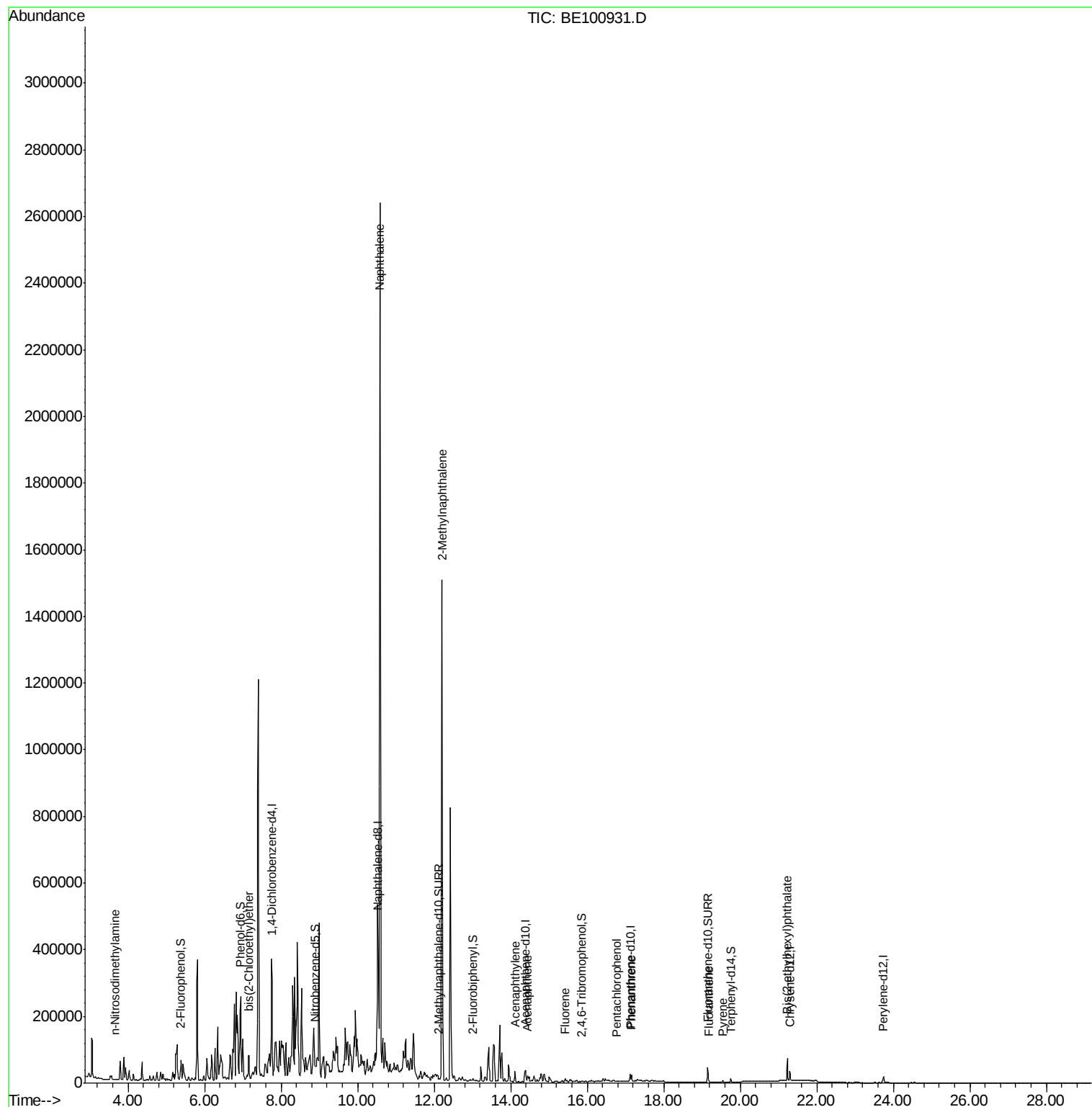
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.65	42	169	0.027	ng	# 2
6) bis(2-Chloroethyl)ether	7.16	93	3058	0.212	ng	# 1
9) Naphthalene	10.58	128	4310100	21.355	ng	100
12) 2-Methylnaphthalene	12.21	142	1183917	37.566	ng	100
16) Acenaphthylene	14.11	152	3312	0.064	ng	# 1
17) Acenaphthene	14.44	154	3329	0.094	ng	# 40
18) Fluorene	15.42	166	6693	0.146	ng	# 87
22) Pentachlorophenol	16.77	266	63	0.056	ng	# 53
23) Phenanthrene	17.16	178	20713	0.223	ng	97
26) Fluoranthene	19.18	202	3698	0.033	ng	# 90
28) Pyrene	19.54	202	6307	0.070	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.23	149	77664	1.178	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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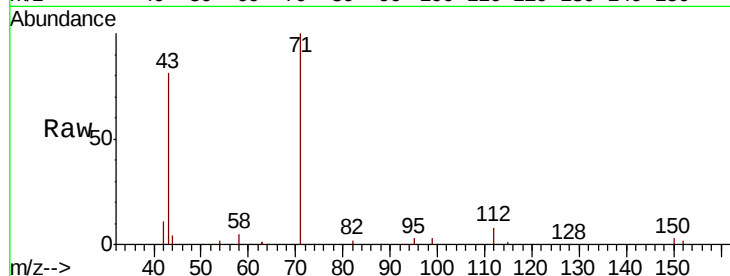


#1

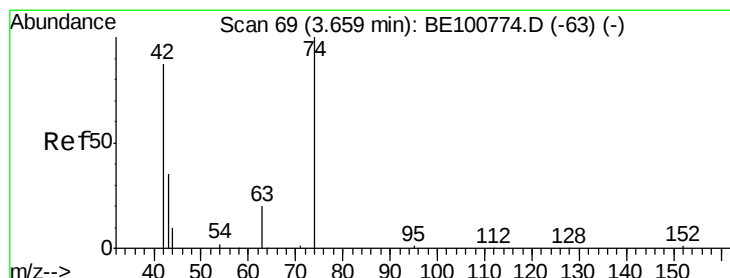
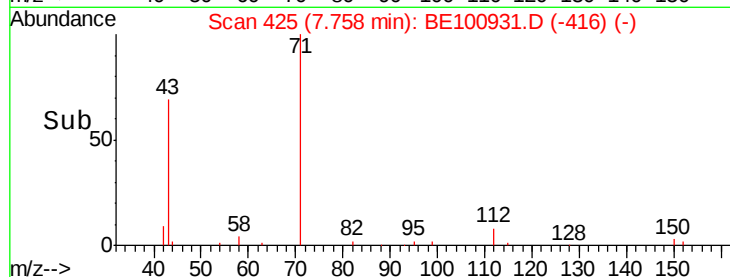
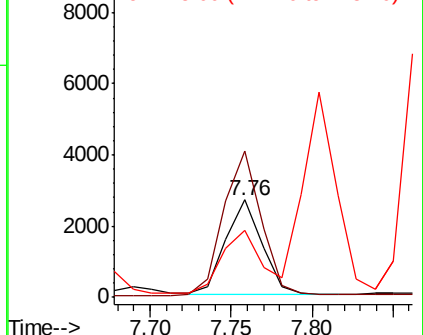
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 4164
Ion Ratio Lower Upper
152 100
150 150.5 125.5 188.3
115 69.3 55.7 83.5



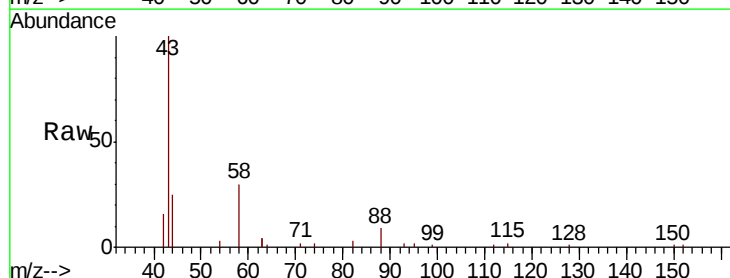
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



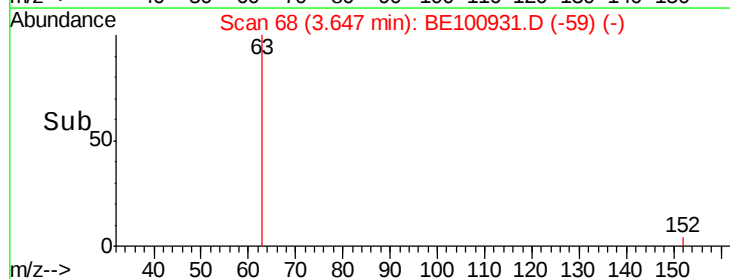
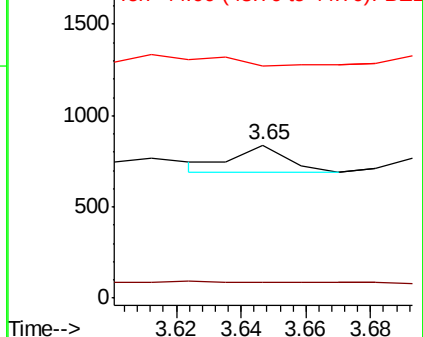
#3

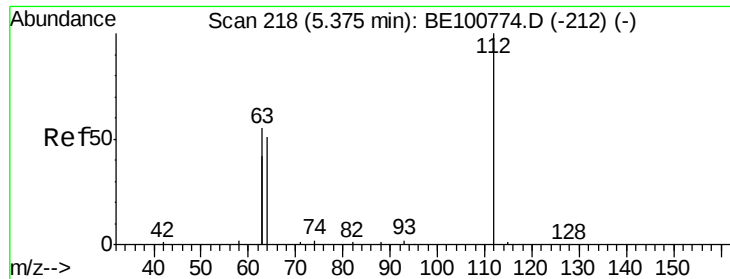
n-Nitrosodimethylamine
Concen: 0.027 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion: 42 Resp: 169
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: 0.292 ng

RT: 5.36 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

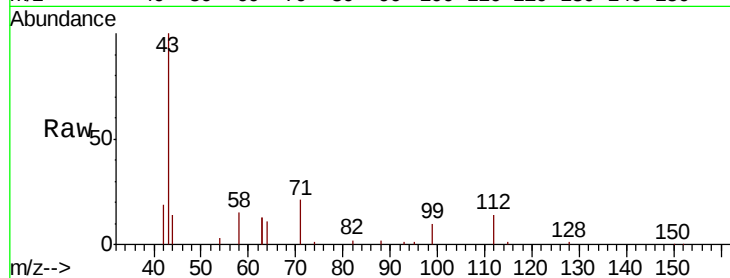
Tot Ion:112 Resp: 2890

Ion Ratio Lower Upper

112 100

64 61.6 54.5 81.7

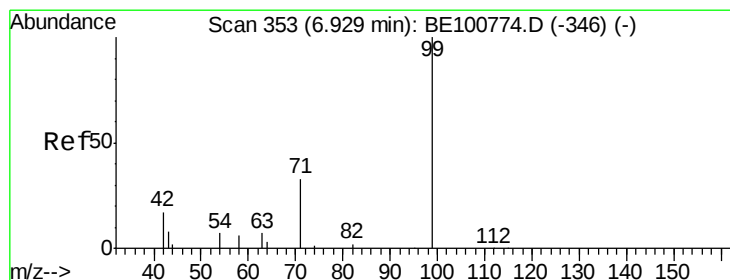
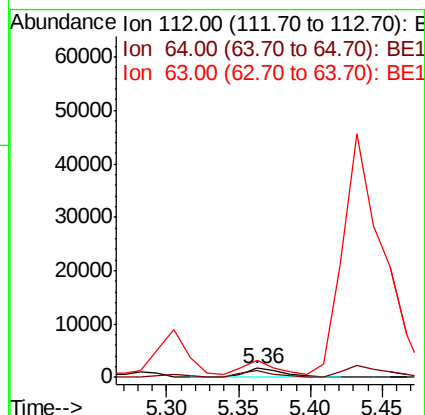
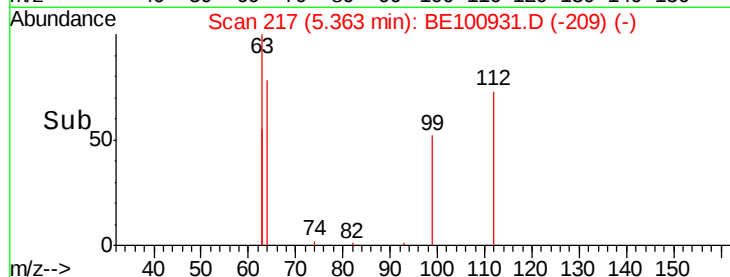
63 129.2 116.1 174.1



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: 0.400 ng

RT: 6.93 min Scan# 353

Delta R.T. 0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

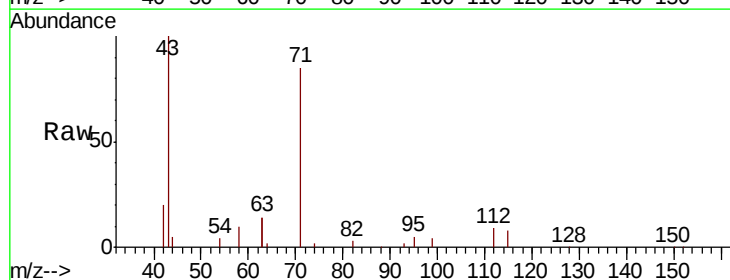
Tgt Ion: 99 Resp: 5965

Ion Ratio Lower Upper

99 100

42 423.4 18.2 27.2#

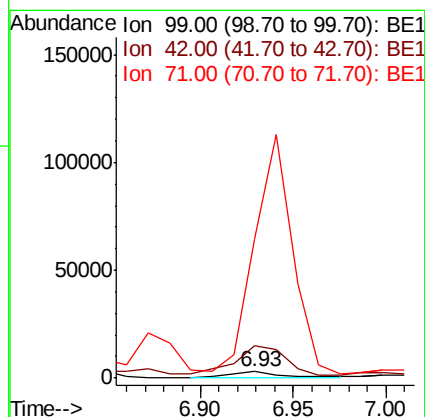
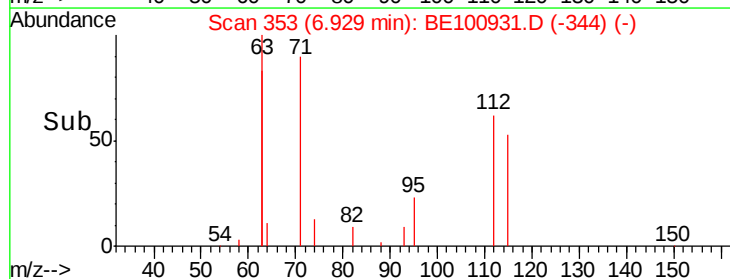
71 2578.9 29.1 43.7#

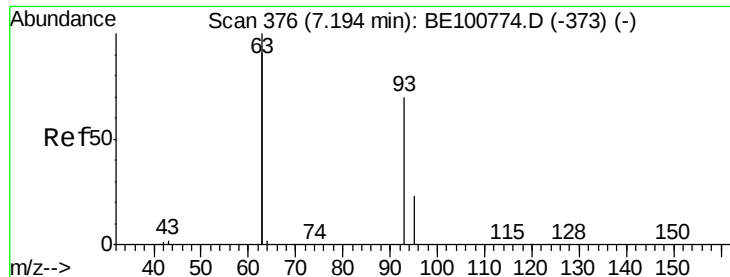


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#6

bis(2-Chloroethyl)ether

Concen: 0.212 ng

RT: 7.16 min Scan# 373

Delta R.T. -0.02 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

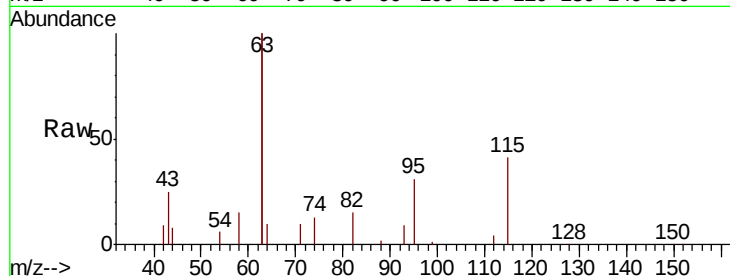
Tot Ion: 93 Resp: 3058

Ion Ratio Lower Upper

93 100

63 2534.7 253.9 380.9#

95 574.3 25.0 37.6#

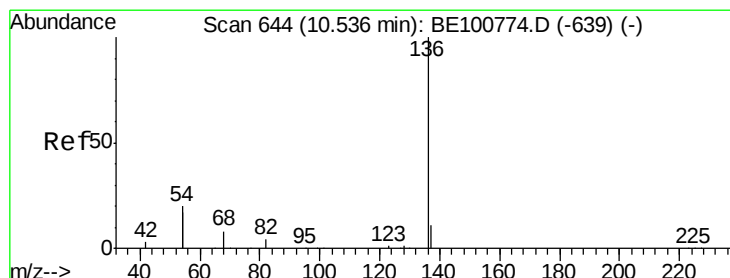
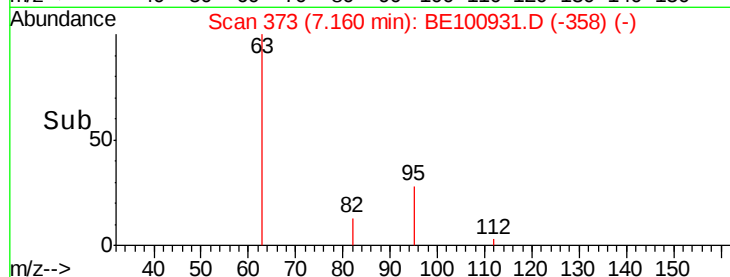
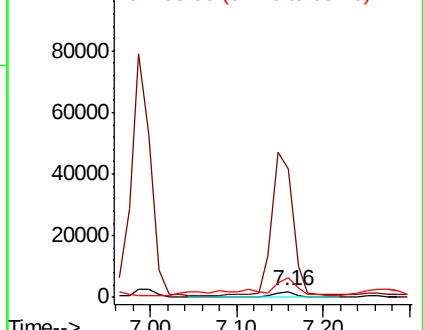


Abundance

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: BE100931.D

Acq: 16 Dec 2019 23:10

Tgt Ion: 136 Resp: 18994

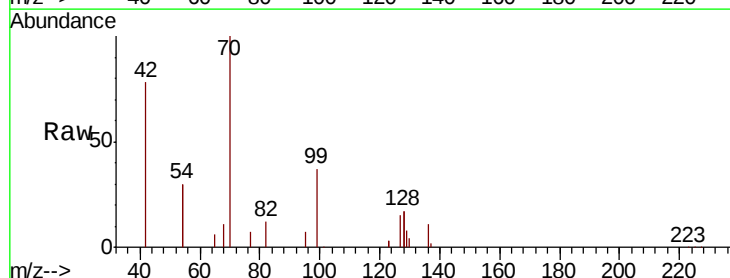
Ion Ratio Lower Upper

136 100

137 18.4 9.1 13.7#

54 563.3 18.9 28.3#

68 108.6 4.6 6.8#



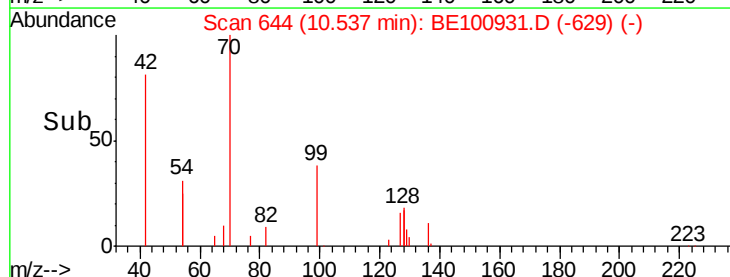
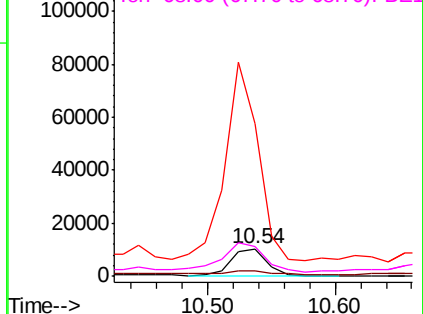
Abundance

Ion 136.00 (135.70 to 136.70): BE1

Ion 137.00 (136.70 to 137.70): BE1

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1

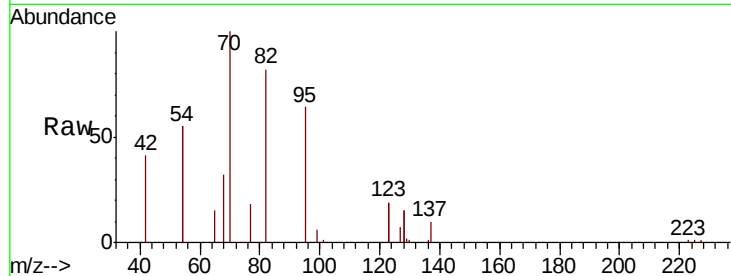




#8
 Nitrobenzene-d5
 Concen: 1.190 ng
 RT: 8.90 min Scan# 518
 Delta R.T. 0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.2	113.5	170.3#
54	134.8	138.9	208.3#

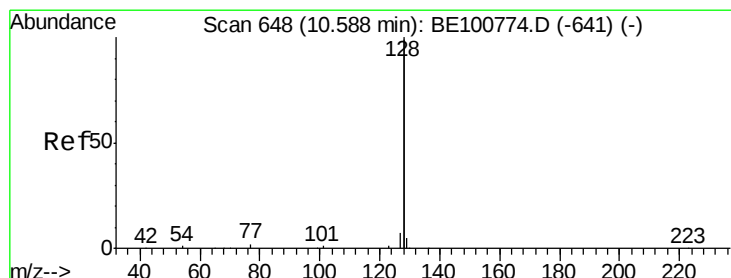
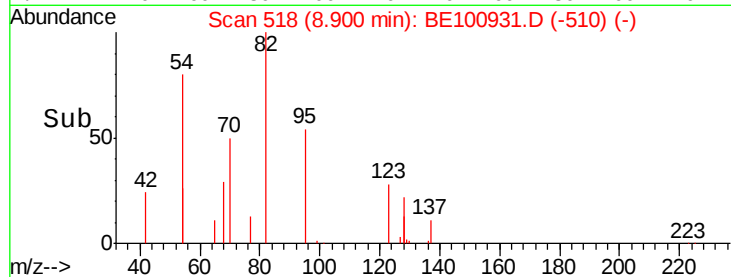
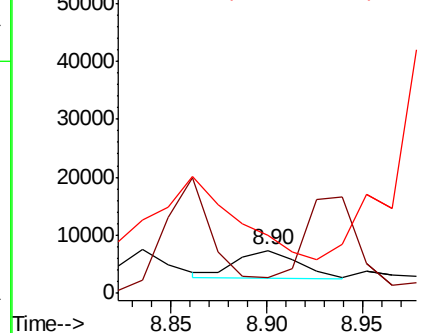


Abundance

Ion 82.00 (81.70 to 82.70): BE1

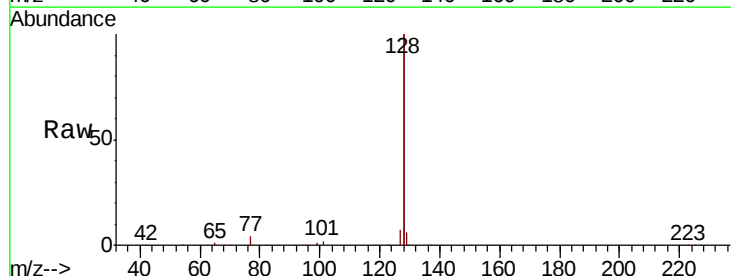
Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9
 Naphthalene
 Concen: 21.355 ng
 RT: 10.58 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.5	2.8	4.2

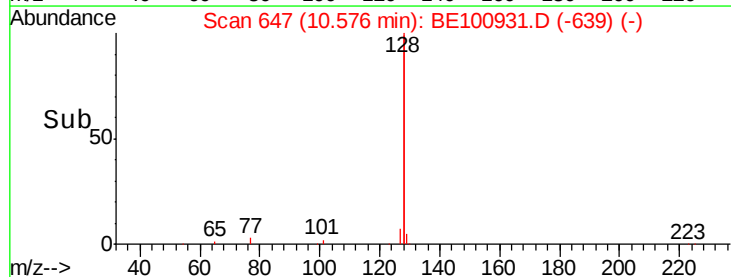
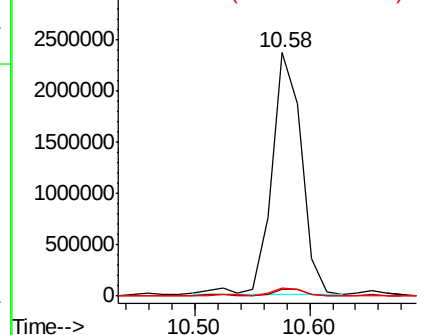


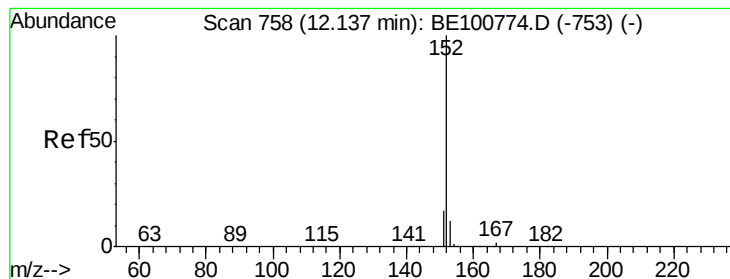
Abundance

Ion 128.00 (127.70 to 128.70): BE1

Ion 129.00 (128.70 to 129.70): BE1

Ion 127.00 (126.70 to 127.70): BE1





#11

2-Methylnaphthalene-d10

Concen: 0.206 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.01 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

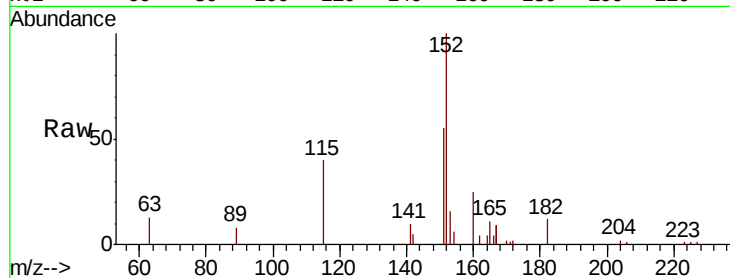
ClientSampleId :

Tot Ion:152 Resp: 5678

Ion Ratio Lower Upper

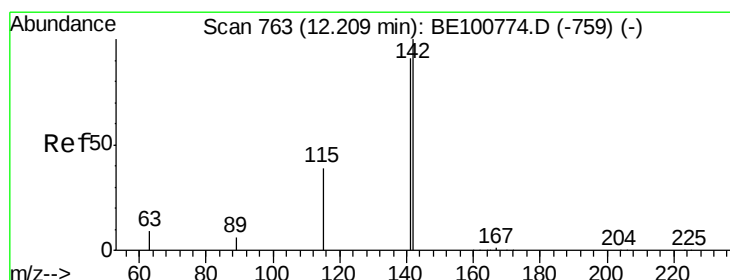
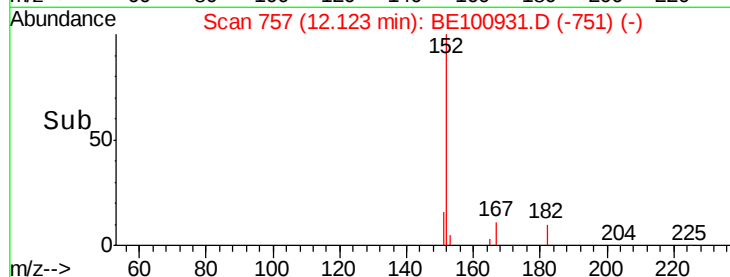
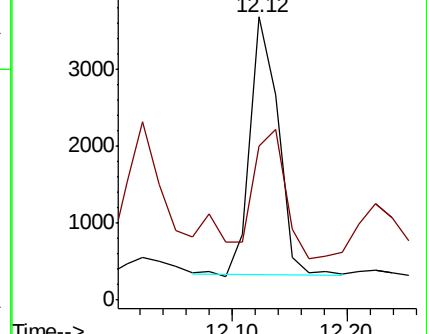
152 100

151 54.9 15.1 22.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 37.566 ng

RT: 12.21 min Scan# 763

Delta R.T. 0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

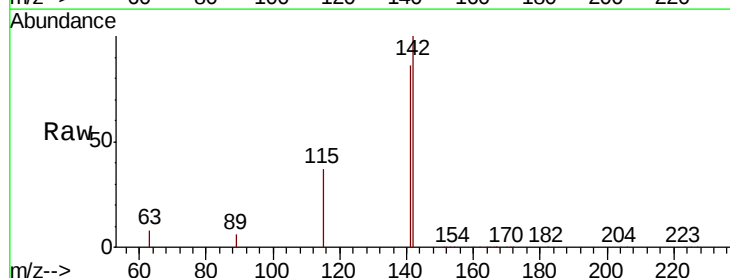
Tgt Ion:142 Resp: 1183917

Ion Ratio Lower Upper

142 100

141 86.4 68.9 103.3

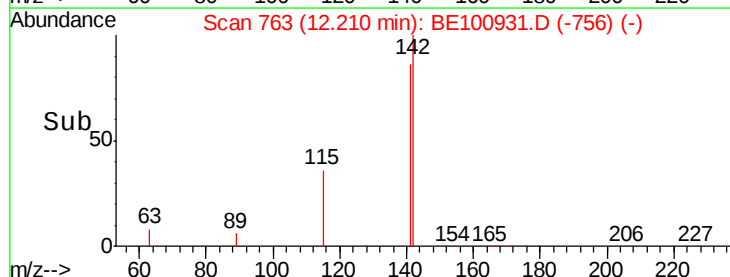
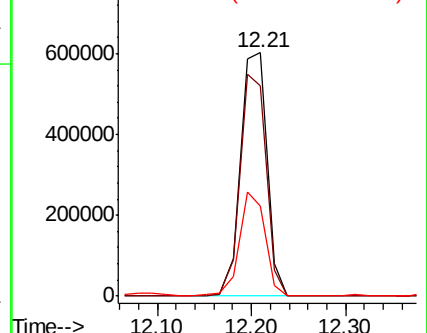
115 36.9 29.5 44.3

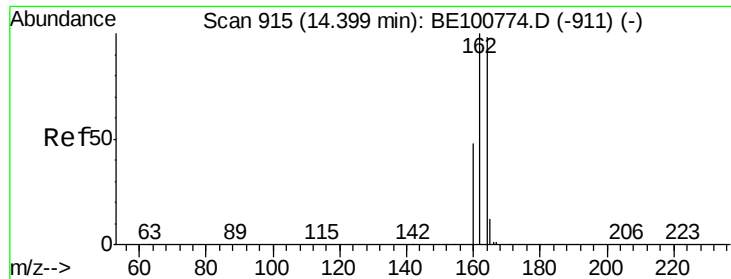


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

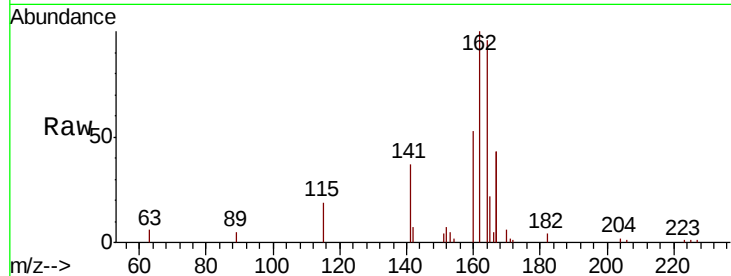




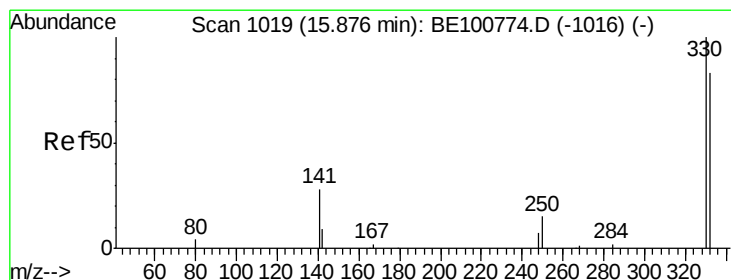
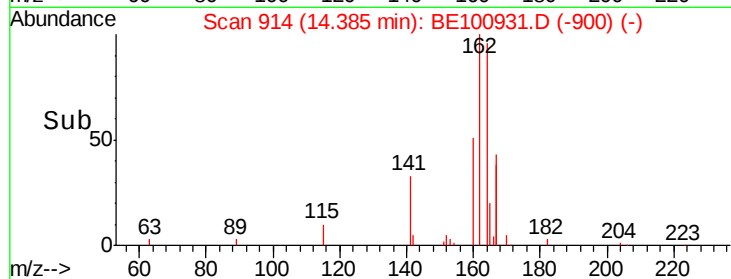
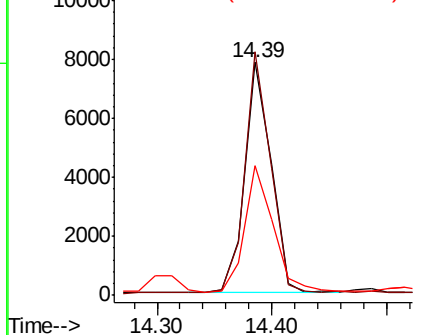
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.39 min Scan# 914
 Delta R.T. 0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:164 Resp: 12483
 Ion Ratio Lower Upper
 164 100
 162 104.5 86.0 129.0
 160 55.5 42.3 63.5

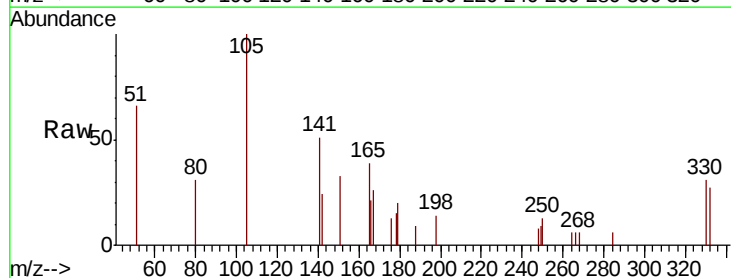


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

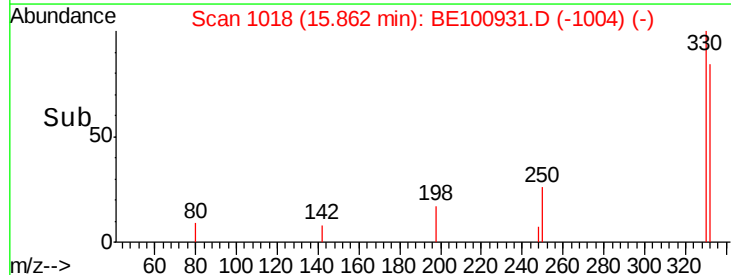
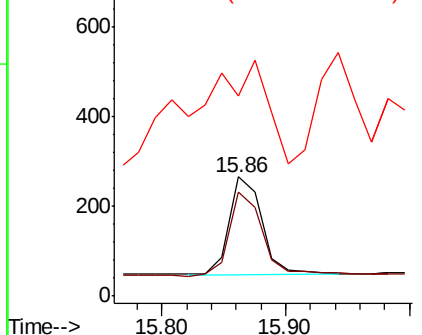


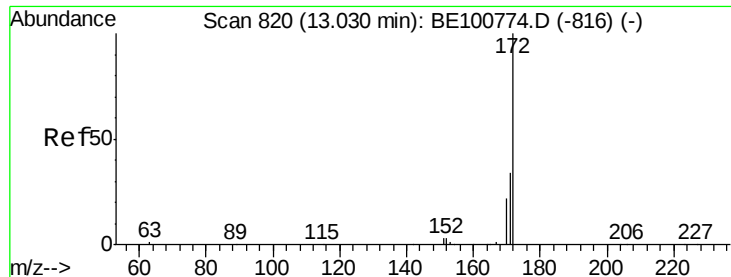
#14
 2,4,6-Tribromophenol
 Concen: 0.289 ng
 RT: 15.86 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Tgt Ion:330 Resp: 401
 Ion Ratio Lower Upper
 330 100
 332 92.5 74.1 111.1
 141 244.9 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

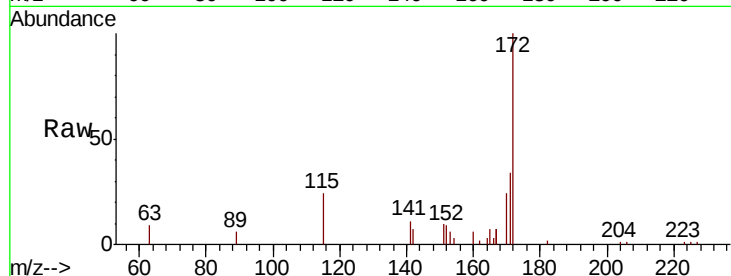




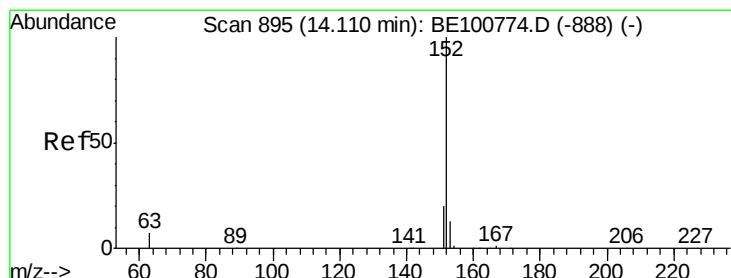
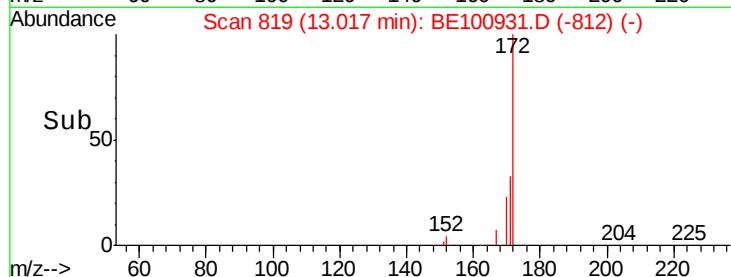
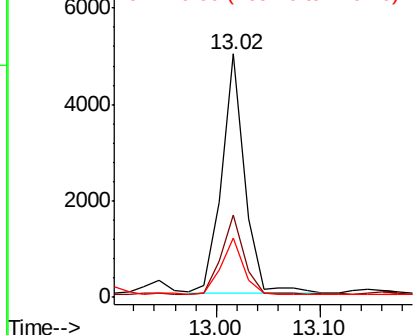
#15
2-Fluorobiphenyl
Concen: 0.155 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 7692
Ion Ratio Lower Upper
172 100
171 33.8 28.2 42.4
170 24.5 19.4 29.0

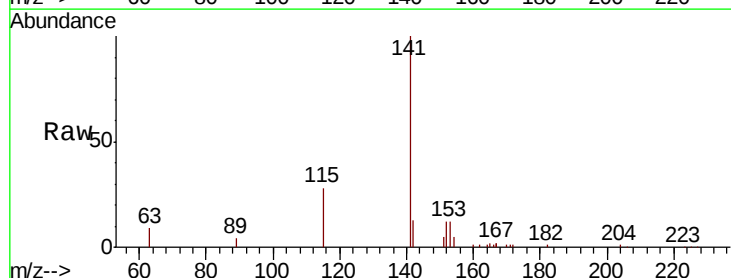


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

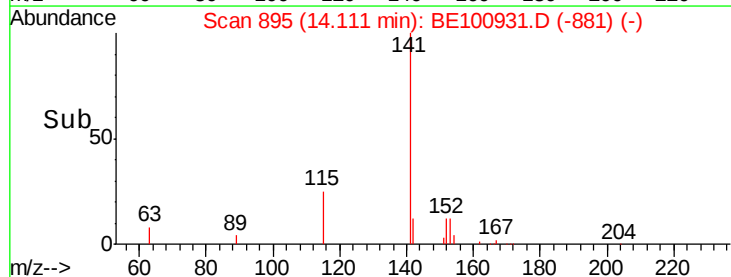
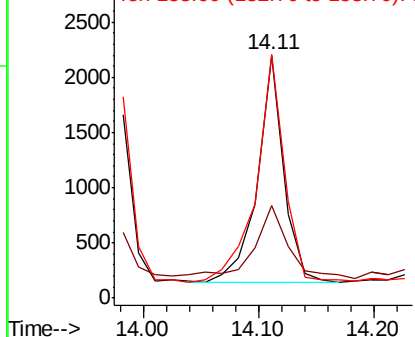


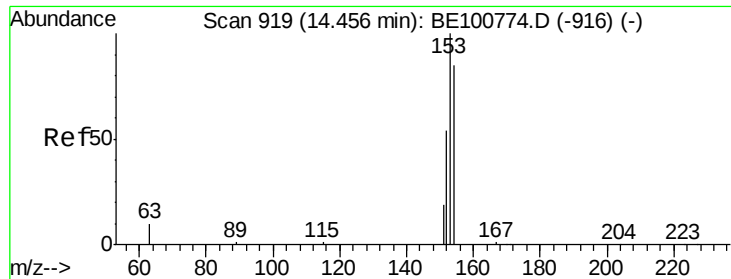
#16
Acenaphthylene
Concen: 0.064 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion:152 Resp: 3312
Ion Ratio Lower Upper
152 100
151 40.9 15.9 23.9#
153 107.0 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

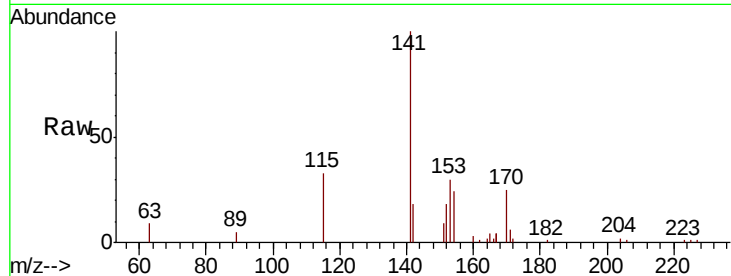




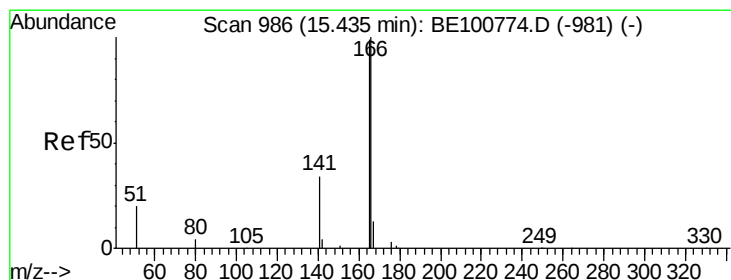
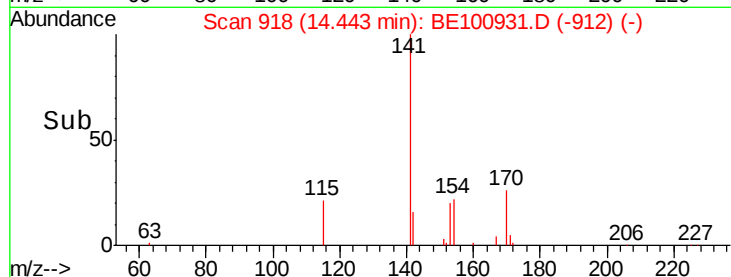
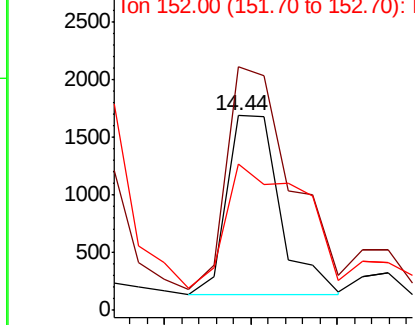
#17
Acenaphthene
Concen: 0.094 ng
RT: 14.44 min Scan# 918
Delta R.T. -0.01 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Instrument :
BNA_E
ClientSampled :

Tot Ion:154 Resp: 3329
Ion Ratio Lower Upper
154 100
153 170.0 91.5 137.3#
152 117.5 47.7 71.5#

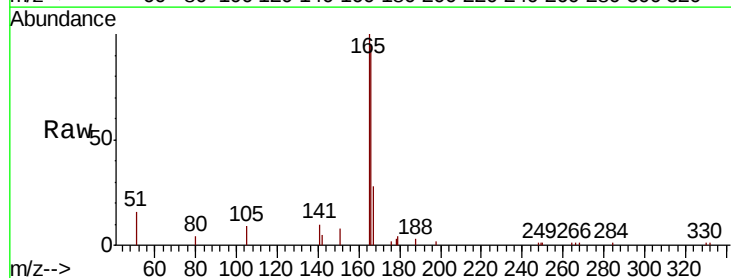


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

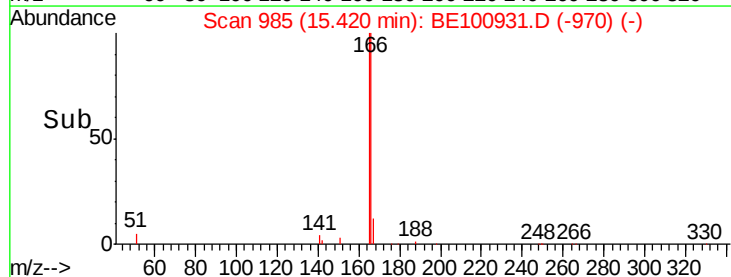
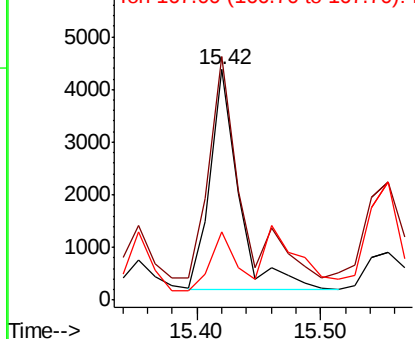


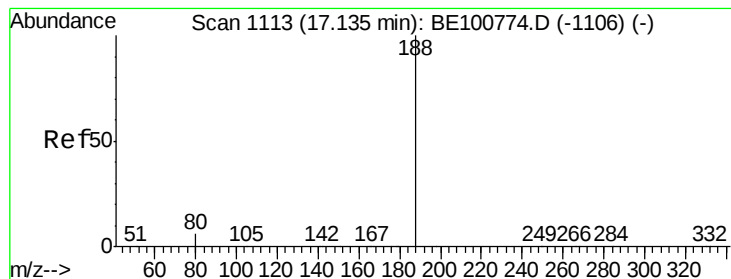
#18
Fluorene
Concen: 0.146 ng
RT: 15.42 min Scan# 985
Delta R.T. -0.00 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion:166 Resp: 6693
Ion Ratio Lower Upper
166 100
165 111.3 80.2 120.4
167 25.3 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.12 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

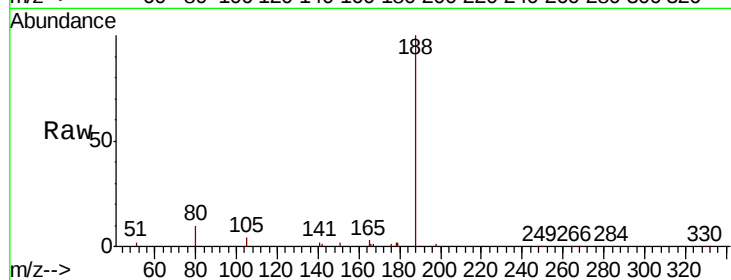
Tot Ion:188 Resp: 30699

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

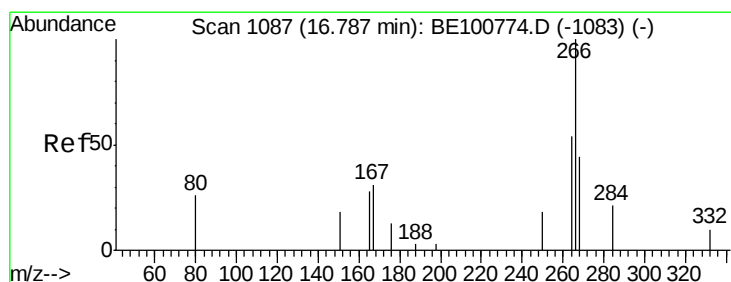
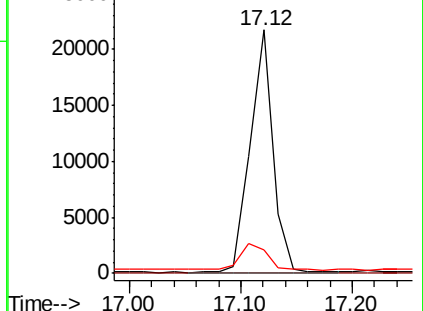
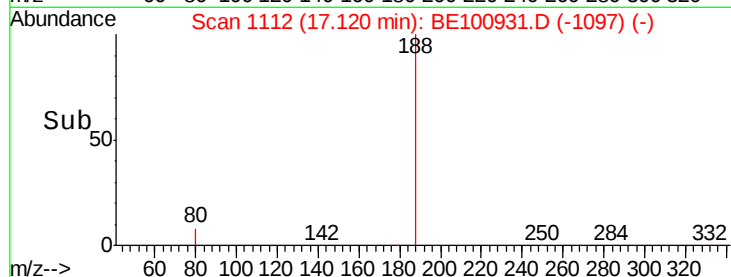
80 9.6 7.9 11.9



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



#22

Pentachlorophenol

Concen: 0.056 ng

RT: 16.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

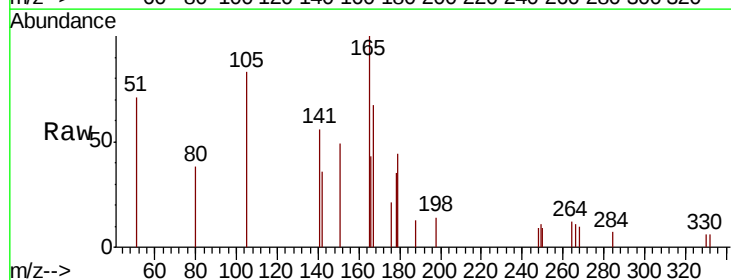
Tgt Ion:266 Resp: 63

Ion Ratio Lower Upper

266 100

264 114.8 55.1 82.7#

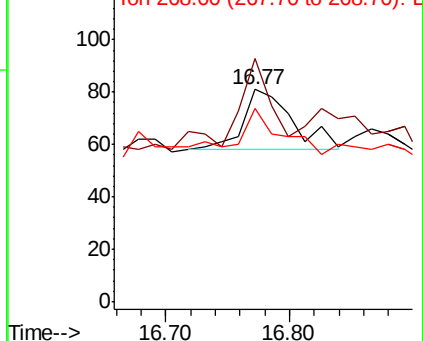
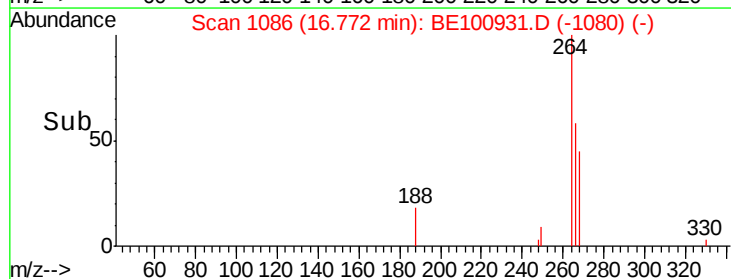
268 91.4 50.7 76.1#

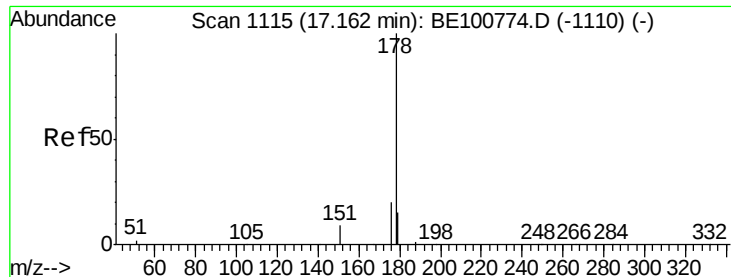


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.223 ng

RT: 17.16 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

Instrument :

BNA_E

ClientSampleId :

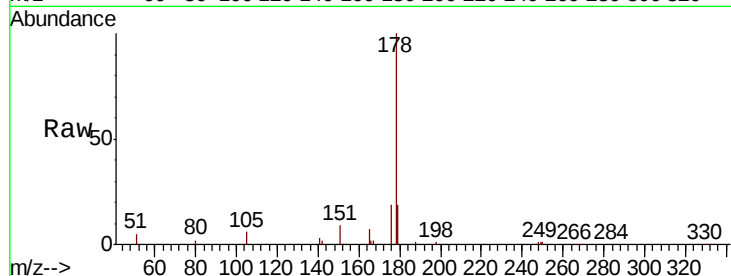
Tot Ion:178 Resp: 20713

Ion Ratio Lower Upper

178 100

176 19.1 15.6 23.4

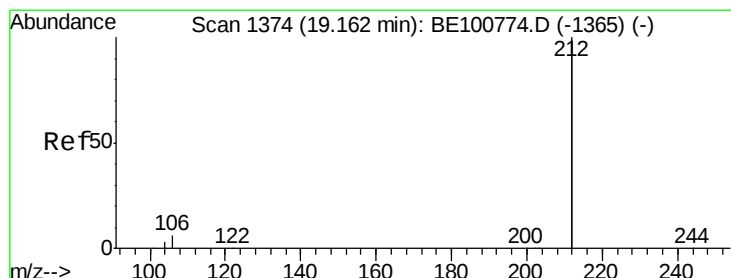
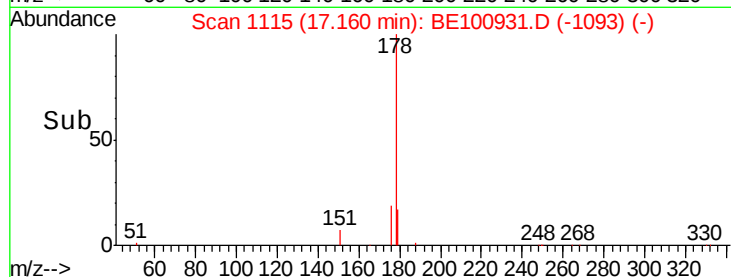
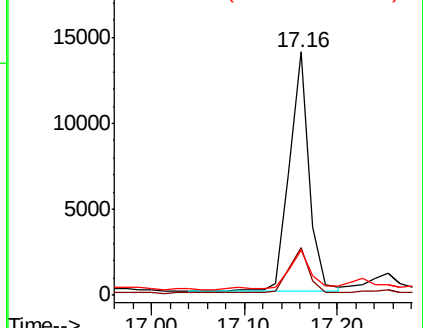
179 17.2 11.9 17.9



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.167 ng

RT: 19.15 min Scan# 1372

Delta R.T. -0.00 min

Lab File: BE100931.D

Acq: 16 Dec 2019 23:10

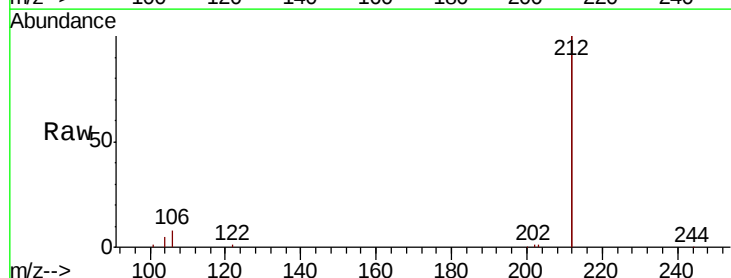
Tgt Ion:212 Resp: 60549

Ion Ratio Lower Upper

212 100

106 3.6 2.6 4.0

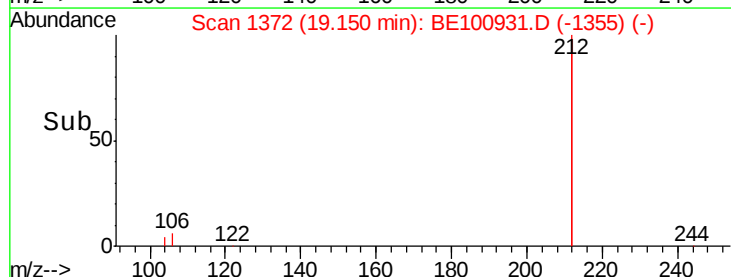
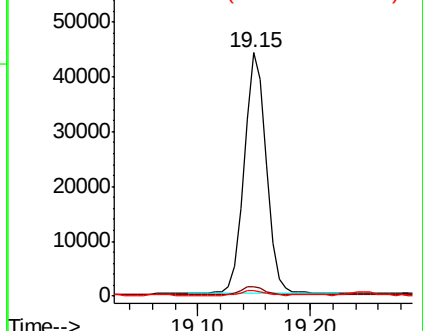
104 1.9 1.4 2.2

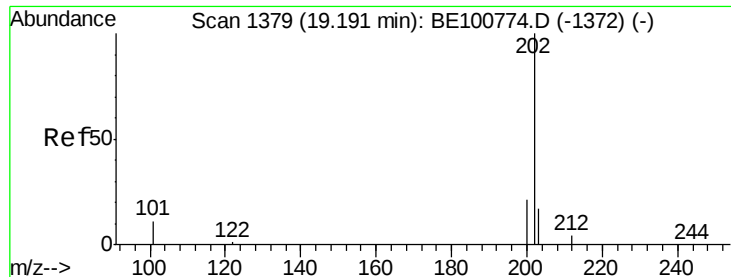


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

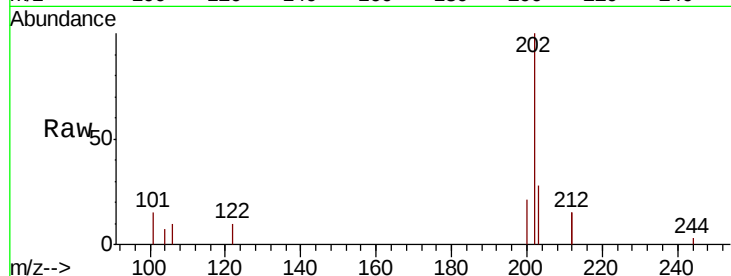




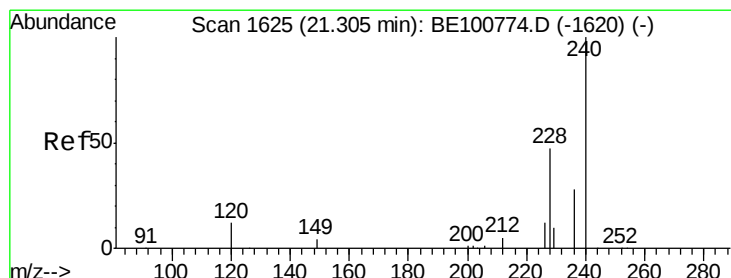
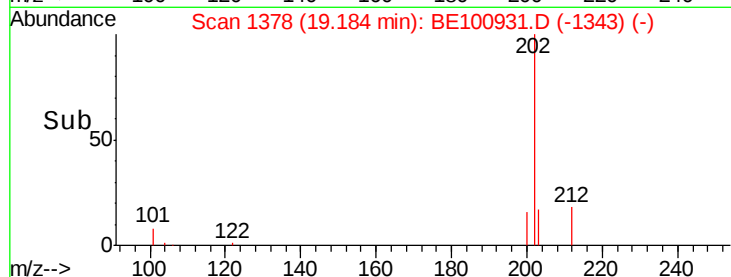
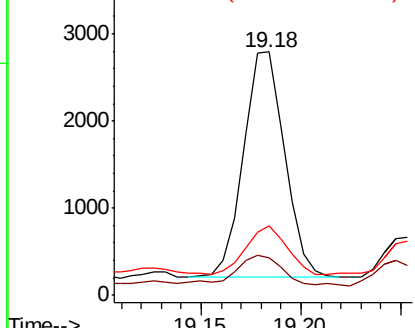
#26
 Fluoranthene
 Concen: 0.033 ng
 RT: 19.18 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:202 Resp: 3698
 Ion Ratio Lower Upper
 202 100
 101 15.7 9.4 14.0#
 203 21.0 13.7 20.5#

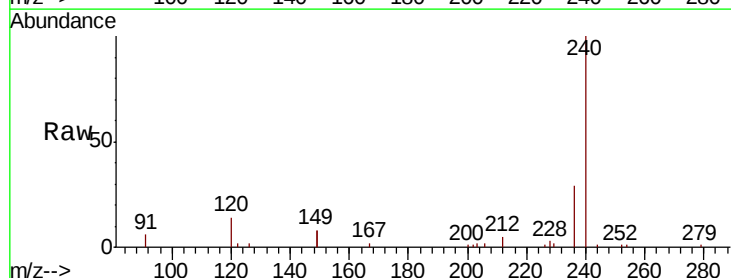


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

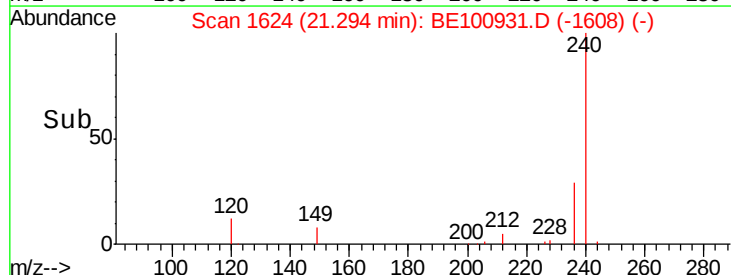
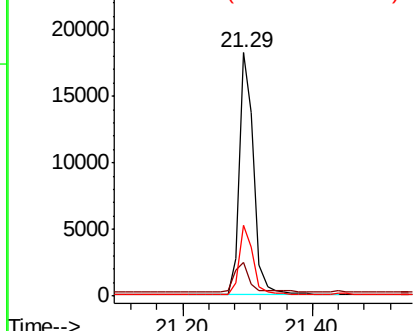


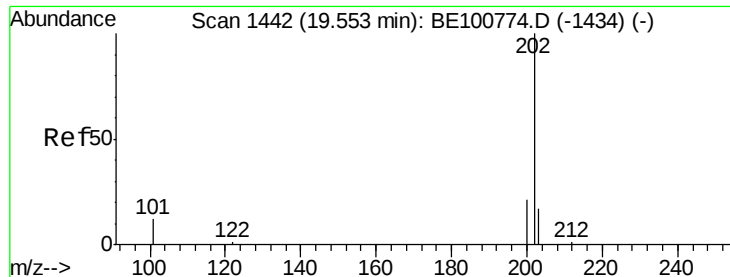
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 1624
 Delta R.T. -0.01 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Tgt Ion:240 Resp: 27917
 Ion Ratio Lower Upper
 240 100
 120 14.1 4.0 6.0#
 236 29.3 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

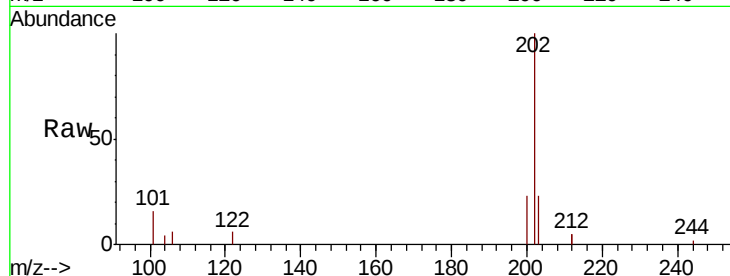




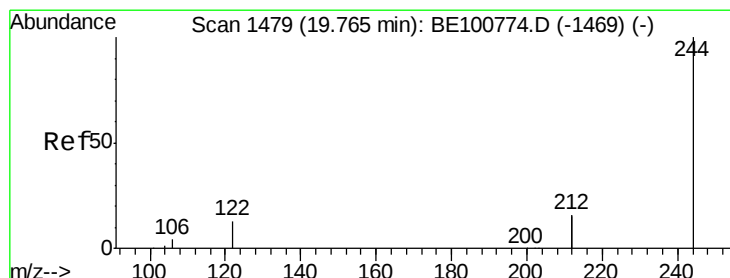
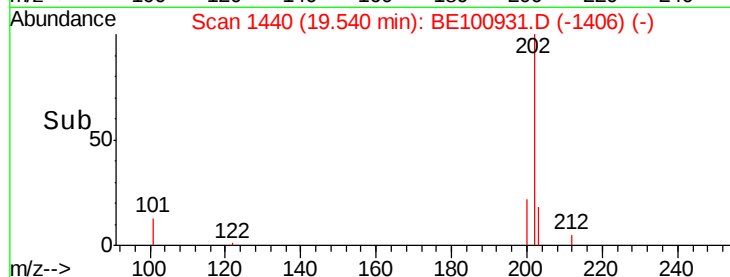
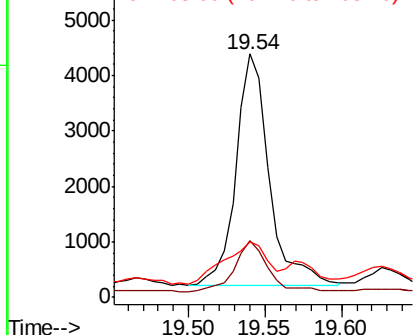
#28
Pvrene
Concen: 0.070 ng
RT: 19.54 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:202 Resp: 6307
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 23.8 13.8 20.8#

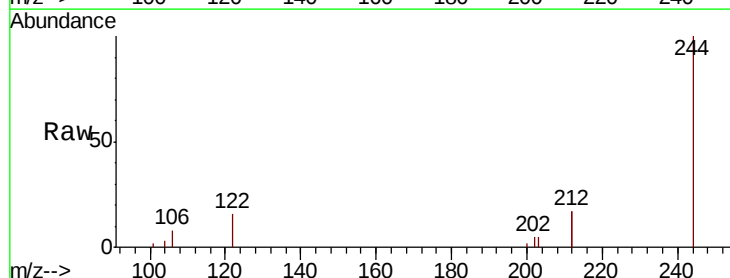


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

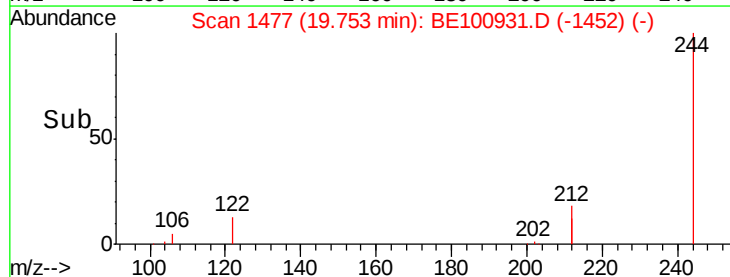
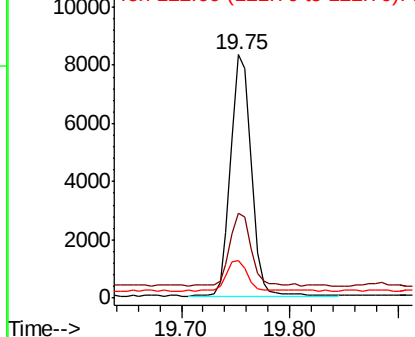


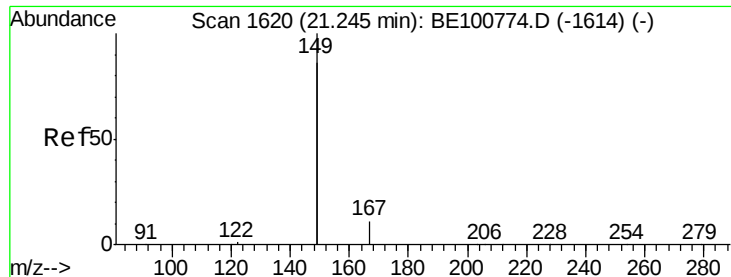
#29
Terphenyl-d14
Concen: 0.161 ng
RT: 19.75 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BE100931.D
Acq: 16 Dec 2019 23:10

Tgt Ion:244 Resp: 10799
Ion Ratio Lower Upper
244 100
212 34.8 25.2 37.8
122 15.6 8.9 13.3#



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

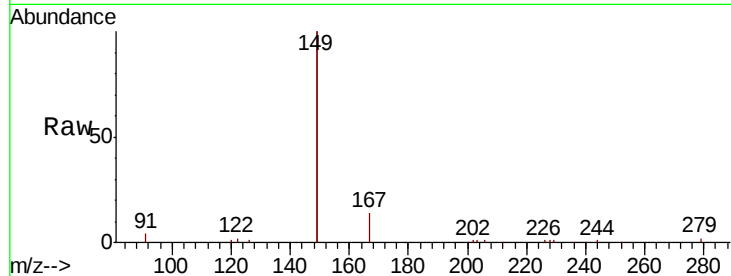




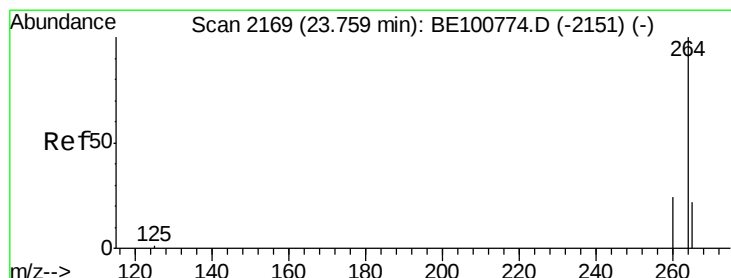
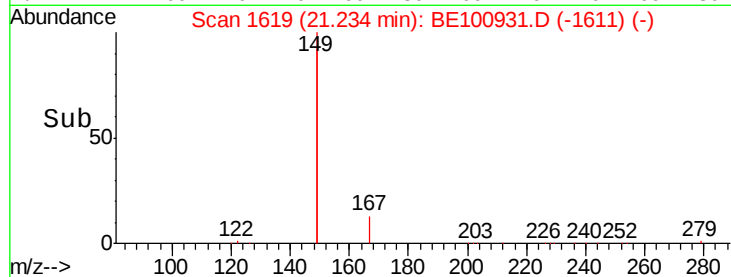
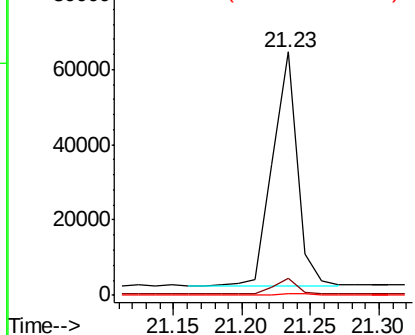
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 1.178 ng
 RT: 21.23 min Scan# 1619
 Delta R.T. 0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:149 Resp: 77664
 Ion Ratio Lower Upper
 149 100
 167 6.5 5.0 7.4
 279 0.8 0.6 1.0

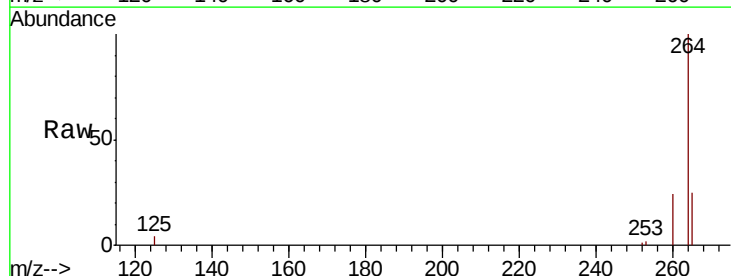


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.74 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: BE100931.D
 Acq: 16 Dec 2019 23:10

Tgt Ion:264 Resp: 29908
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.0
 265 25.1 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

