

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092619\
 Data File : BE100566.D
 Acq On : 26 Sep 2019 13:37
 Operator : JU
 Sample : K4995-15DL 5X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 15:20:23 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	7669	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	35145	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	19103	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	37093	0.40	ng	0.00
27) Chrysene-d12	21.37	240	40194	0.40	ng	0.00
34) Perylene-d12	23.84	264	45096	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	1356	0.08	ng	0.02
5) Phenol-d6	7.03	99	1851	0.08	ng	0.00
8) Nitrobenzene-d5	9.00	82	1281	0.06	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	2695	0.05	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	328	0.11	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	3444	0.05	ng	0.00
25) Fluoranthene-d10	19.23	212	23607	0.05	ng	0.00
29) Terphenyl-d14	19.82	244	5821	0.06	ng	0.00

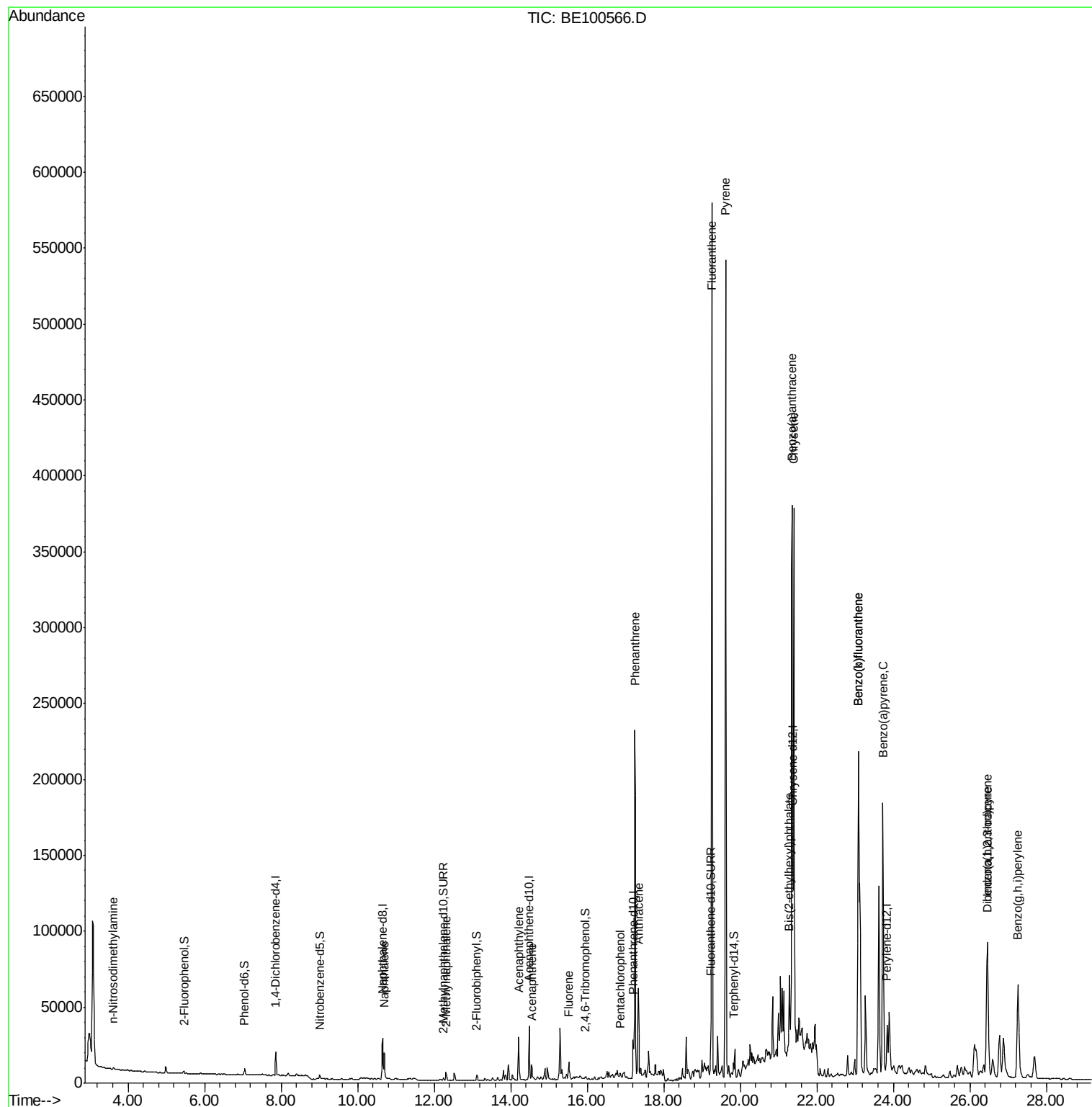
Target Compounds				Qvalue		
3) n-Nitrosodimethylamine	3.61	42	503	0.077	ng	# 1
9) Naphthalene	10.69	128	32482	0.089	ng	99
12) 2-Methylnaphthalene	12.31	142	4289	0.074	ng	98
16) Acenaphthylene	14.21	152	35914	0.457	ng	100
17) Acenaphthene	14.54	154	5307	0.100	ng	98
18) Fluorene	15.51	166	9200	0.138	ng	# 86
22) Pentachlorophenol	16.87	266	249	0.243	ng	94
23) Phenanthrene	17.24	178	268465	2.597	ng	100
24) Anthracene	17.34	178	62950	0.724	ng	97
26) Fluoranthene	19.26	202	517431	4.152	ng	98
28) Pyrene	19.62	202	482540	4.172	ng	# 94
30) Benzo(a)anthracene	21.35	228	391773	3.649	ng	96
31) Chrysene	21.40	228	294696	2.409	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	57607	0.498	ng	100
33) Indeno(1,2,3-cd)pyrene	26.46	276	161241	1.186	ng	98
35) Benzo(b)fluoranthene	23.08	252	397934	3.261	ng	99
36) Benzo(k)fluoranthene	23.08	252	397934	2.819	ng	99
37) Benzo(a)pyrene	23.73	252	278185	2.444	ng	99
38) Dibenzo(a,h)anthracene	26.47	278	52676	0.444	ng	91
39) Benzo(g,h,i)perylene	27.26	276	145358	1.174	ng	99

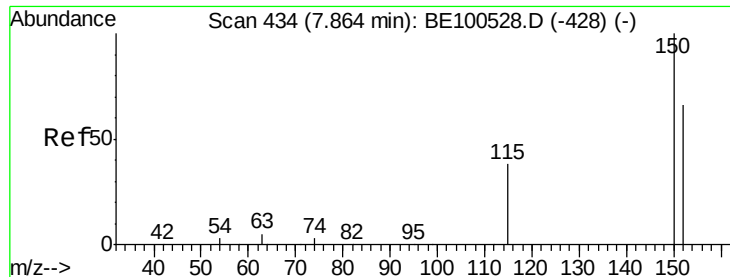
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092619\
Data File : BE100566.D
Acq On : 26 Sep 2019 13:37
Operator : JU
Sample : K4995-15DL 5X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 26 15:20:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration



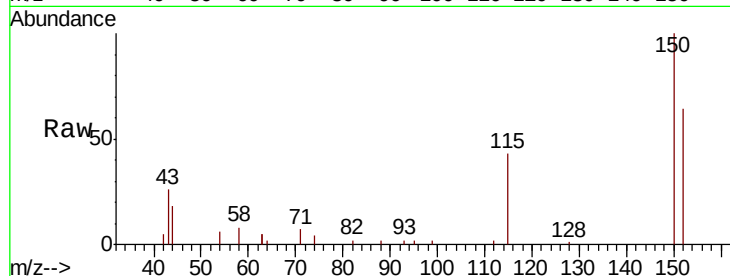


#1

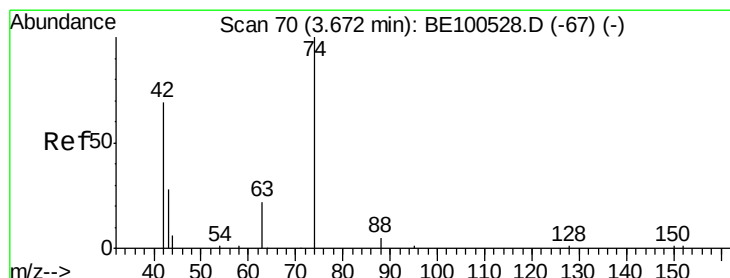
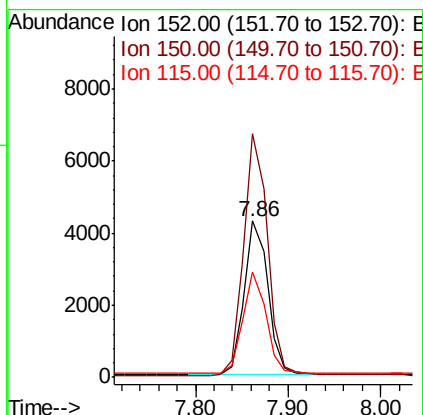
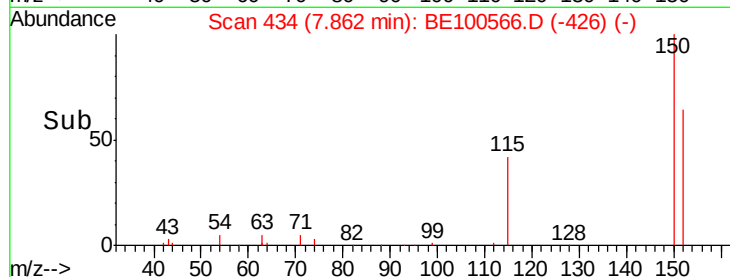
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 7669
Ion Ratio Lower Upper
152 100
150 155.7 121.6 182.4
115 67.3 48.2 72.4



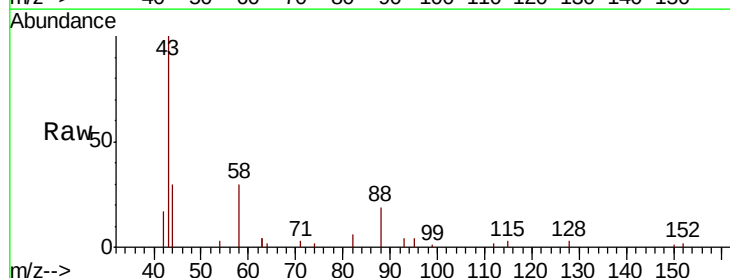
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



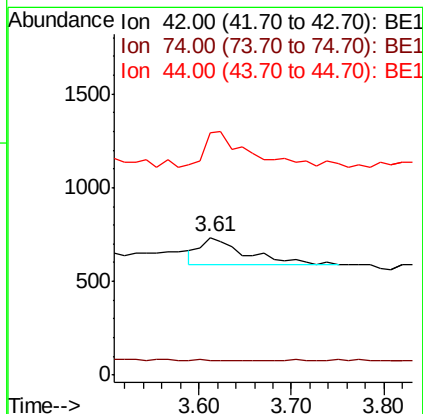
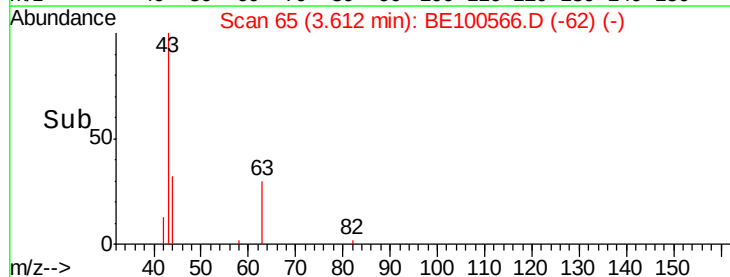
#3

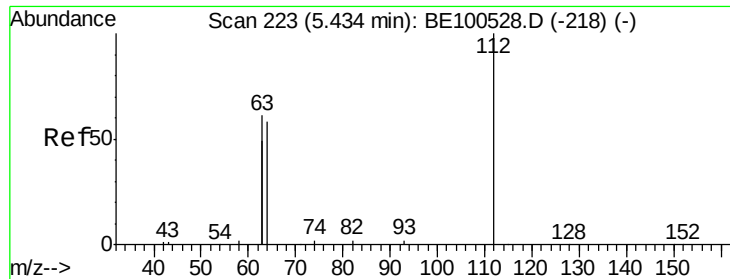
n-Nitrosodimethylamine
Concen: 0.077 ng
RT: 3.61 min Scan# 65
Delta R.T. -0.06 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

Tgt Ion: 42 Resp: 503
Ion Ratio Lower Upper
42 100
74 2.8 133.8 200.6#
44 0.0 6.4 9.6#



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: 0.076 ng

RT: 5.45 min Scan# 225

Delta R.T. 0.02 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Instrument :

BNA_E

ClientSampleId :

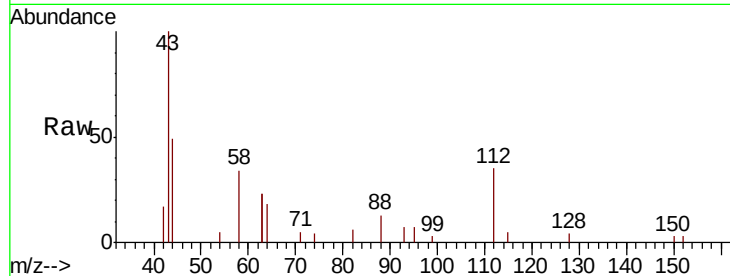
Tot Ion:112 Resp: 1356

Ion Ratio Lower Upper

112 100

64 56.3 44.1 66.1

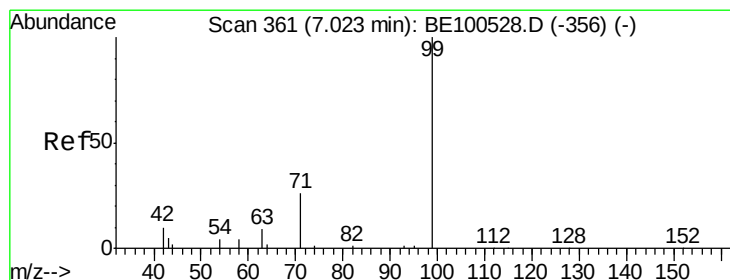
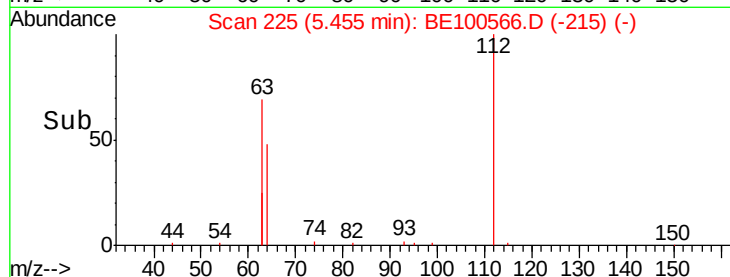
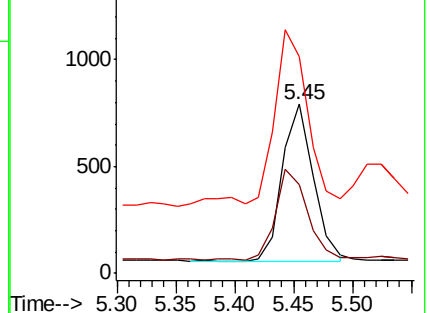
63 112.5 86.5 129.7



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: 0.075 ng

RT: 7.03 min Scan# 362

Delta R.T. 0.01 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

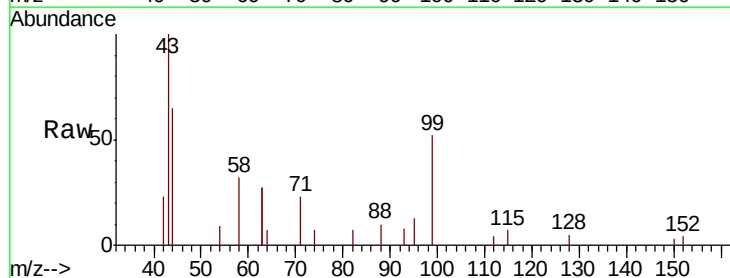
Tgt Ion: 99 Resp: 1851

Ion Ratio Lower Upper

99 100

42 31.4 13.0 19.6#

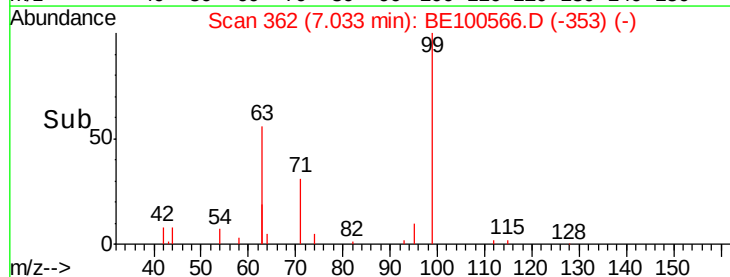
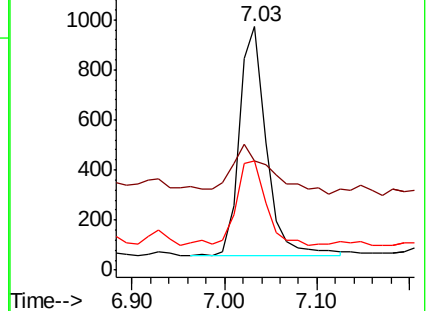
71 41.4 23.4 35.0#

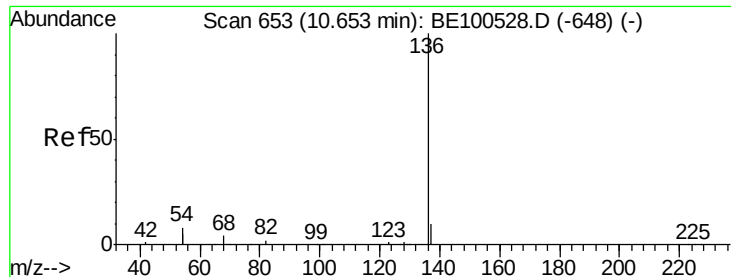


Abundance Ion 99.00 (98.70 to 99.70): BE1

Ion 42.00 (41.70 to 42.70): BE1

Ion 71.00 (70.70 to 71.70): BE1





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 35145

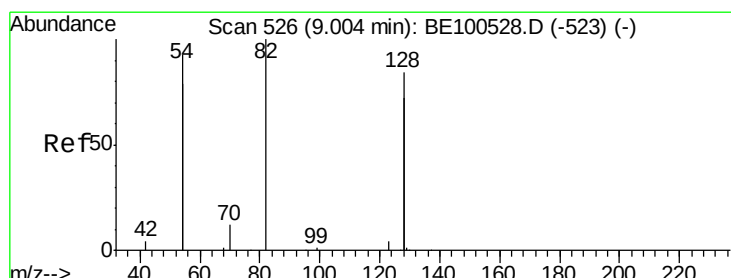
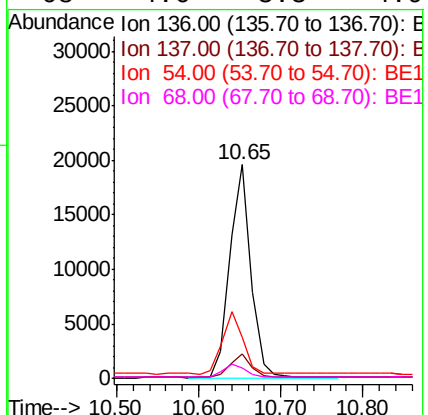
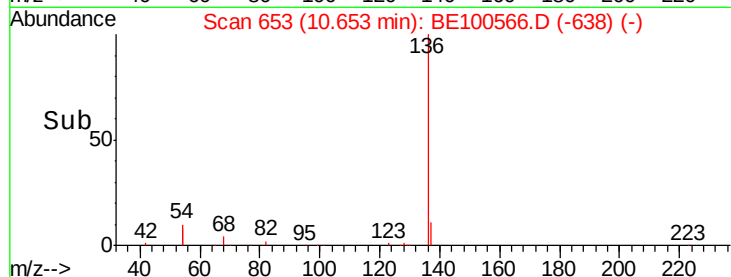
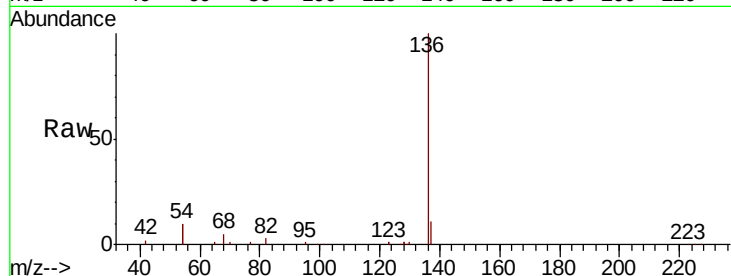
Ion Ratio Lower Upper

136 100

137 11.2 8.6 13.0

54 19.2 12.4 18.6#

68 4.6 3.3 4.9



#8

Nitrobenzene-d5

Concen: 0.063 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

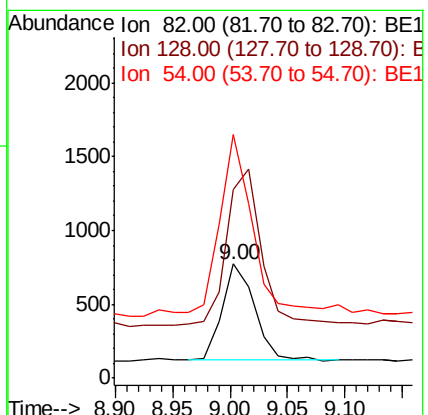
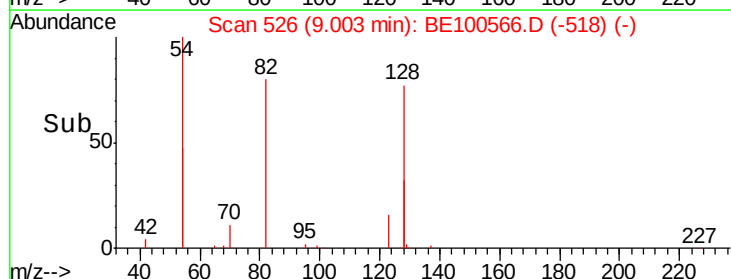
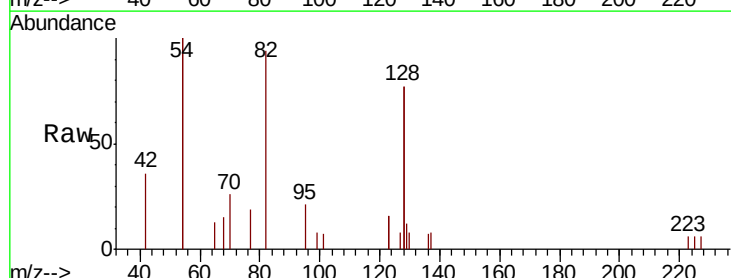
Tgt Ion: 82 Resp: 1281

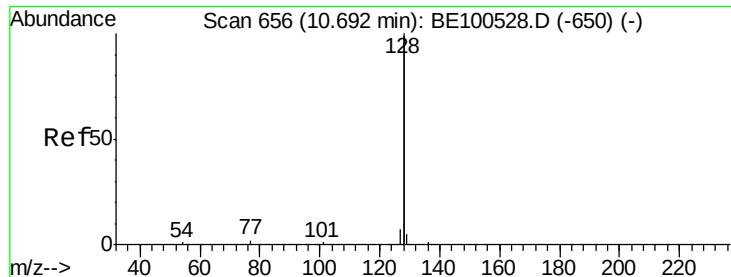
Ion Ratio Lower Upper

82 100

128 164.6 129.4 194.2

54 213.2 143.3 214.9





#9

Naphthalene

Concen: 0.089 ng

RT: 10.69 min Scan# 656

Delta R.T. -0.00 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Instrument :

BNA_E

ClientSampleId :

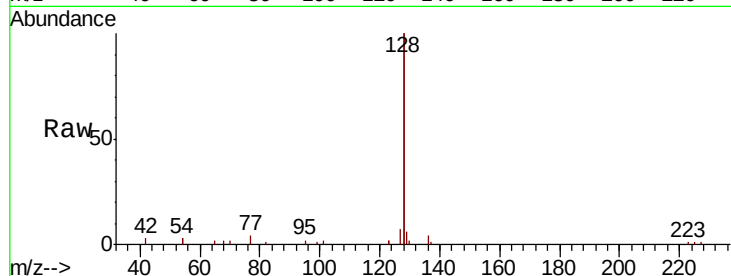
Tot Ion:128 Resp: 32482

Ion Ratio Lower Upper

128 100

129 3.1 2.2 3.4

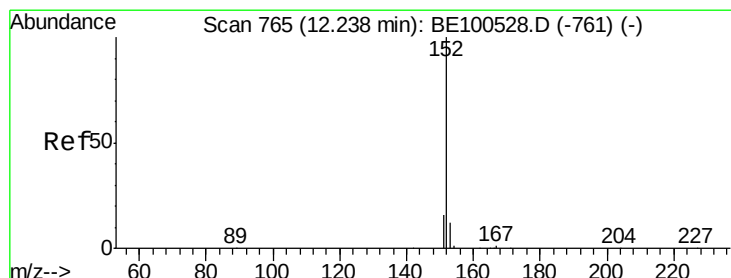
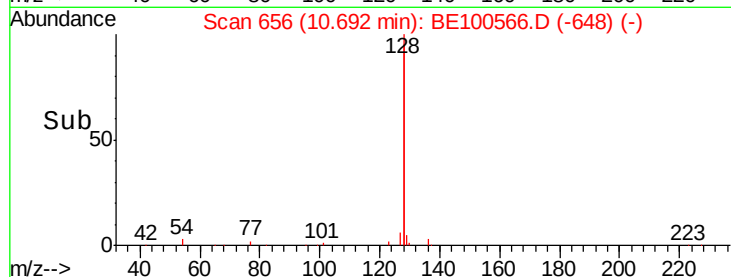
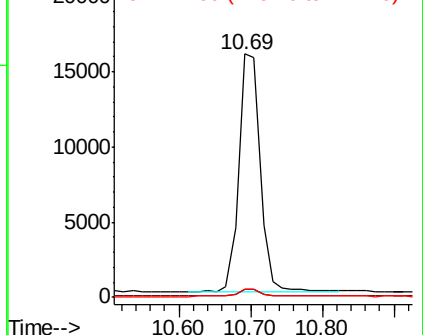
127 3.6 2.7 4.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.051 ng

RT: 12.24 min Scan# 765

Delta R.T. -0.00 min

Lab File: BE100566.D

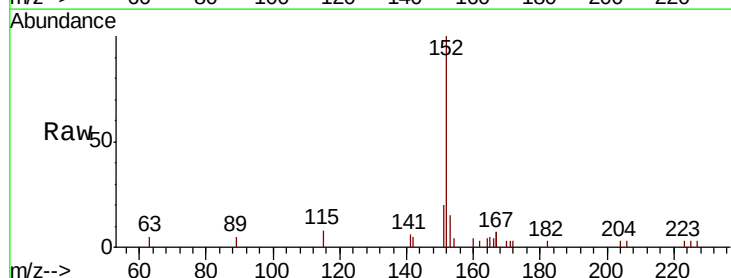
Acq: 26 Sep 2019 13:37

Tgt Ion:152 Resp: 2695

Ion Ratio Lower Upper

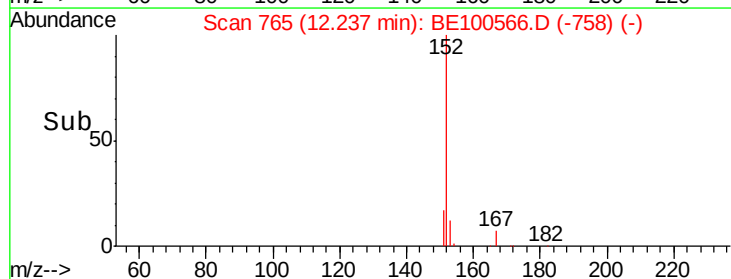
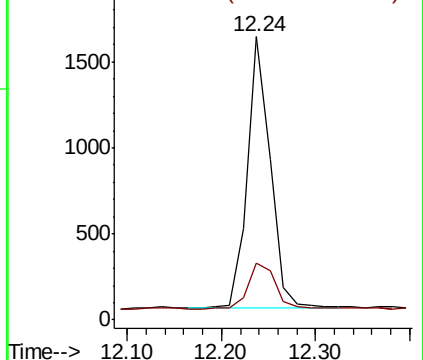
152 100

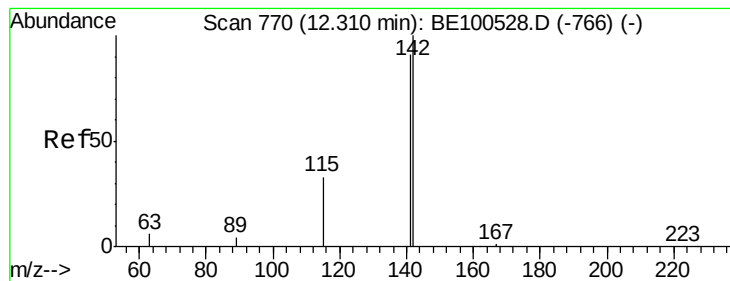
151 21.0 15.3 22.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.074 ng

RT: 12.31 min Scan# 770

Delta R.T. -0.00 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Instrument :

BNA_E

ClientSampleId :

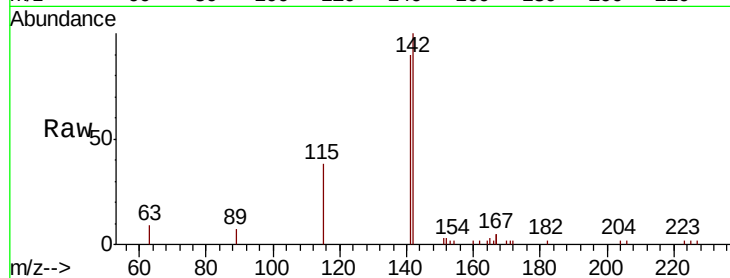
Tot Ion:142 Resp: 4289

Ion Ratio Lower Upper

142 100

141 90.2 72.5 108.7

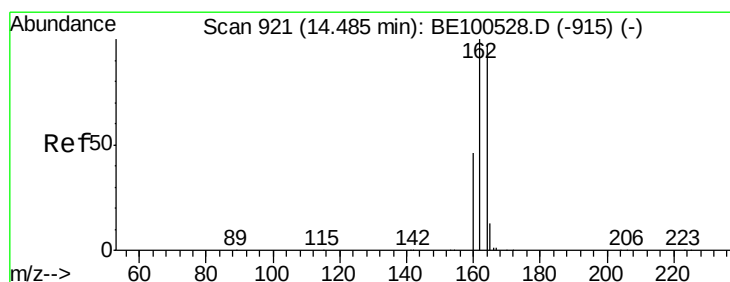
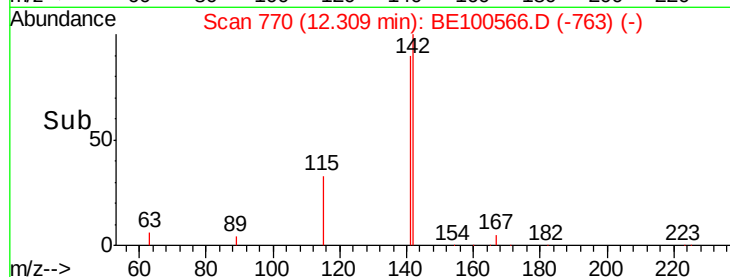
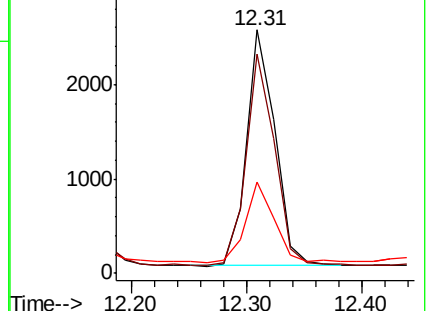
115 37.7 27.2 40.8



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: 14.48 min Scan# 921

Delta R.T. -0.00 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

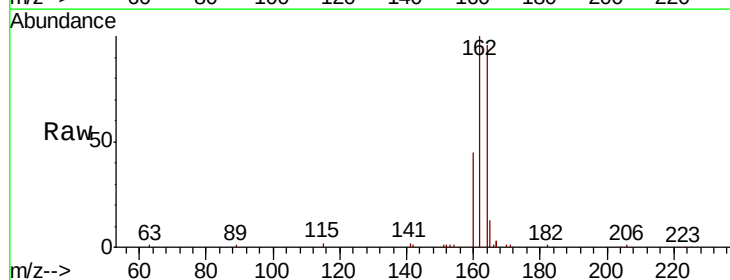
Tgt Ion:164 Resp: 19103

Ion Ratio Lower Upper

164 100

162 104.7 82.1 123.1

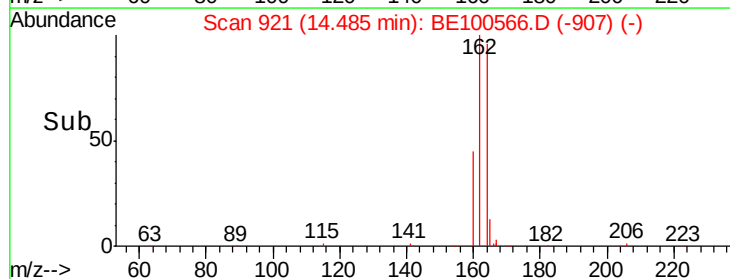
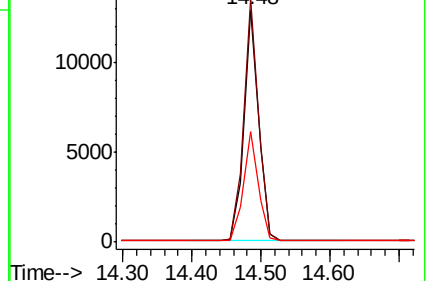
160 47.4 37.6 56.4

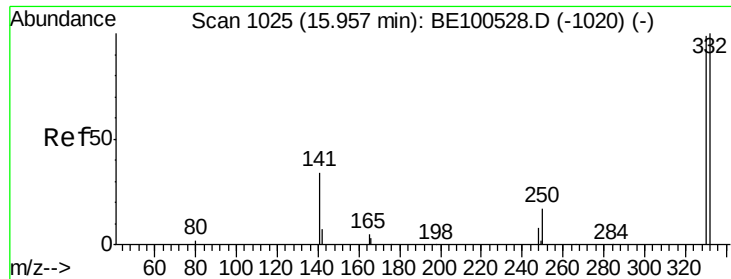


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

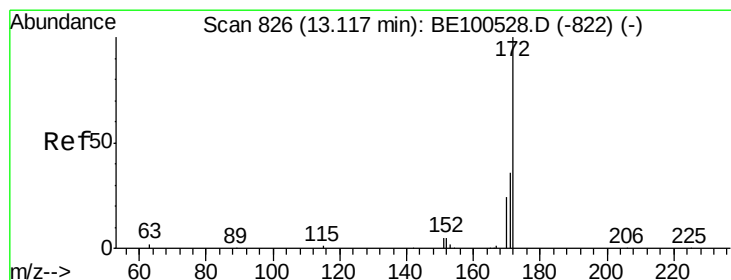
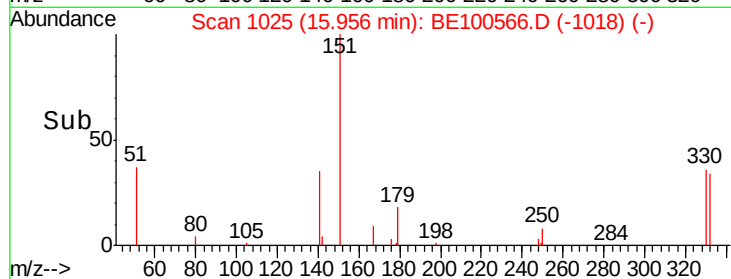
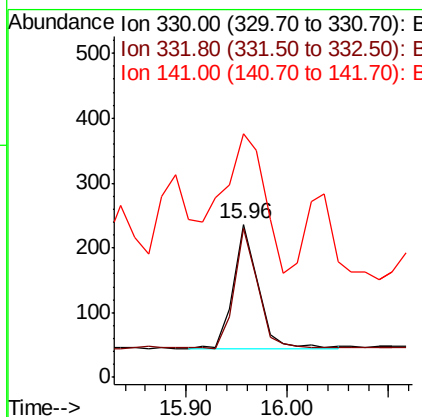
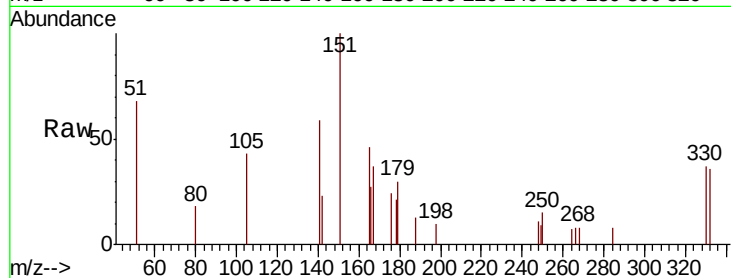




#14
 2,4,6-Tribromophenol
 Concen: 0.106 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

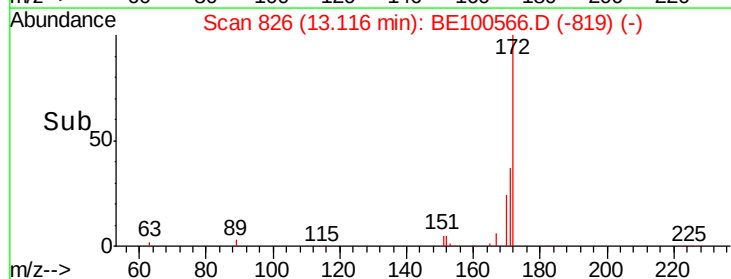
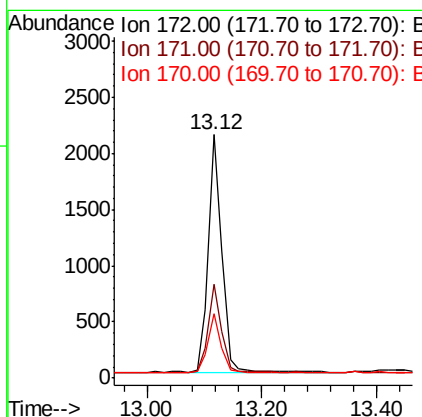
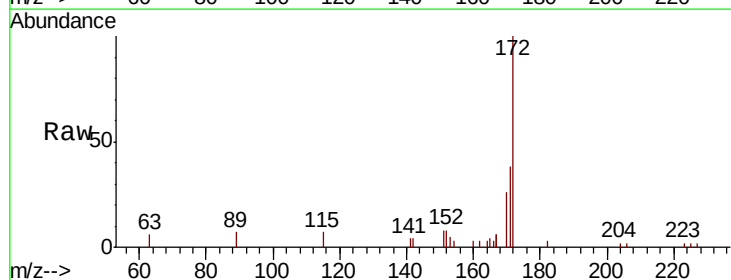
Instrument :
 BNA_E
 ClientSampled :

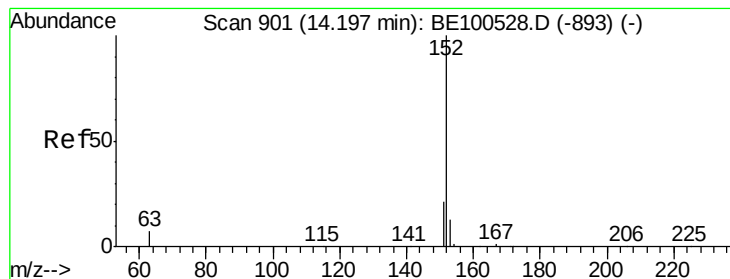
Tot Ion:330 Resp: 328
 Ion Ratio Lower Upper
 330 100
 332 90.2 75.5 113.3
 141 182.6 42.3 63.5#



#15
 2-Fluorobiphenyl
 Concen: 0.051 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

Tgt Ion:172 Resp: 3444
 Ion Ratio Lower Upper
 172 100
 171 38.3 28.8 43.2
 170 26.2 19.4 29.0





#16

Acenaphthylene

Concen: 0.457 ng

RT: 14.21 min Scan# 902

Delta R.T. 0.01 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Instrument :

BNA_E

ClientSampleId :

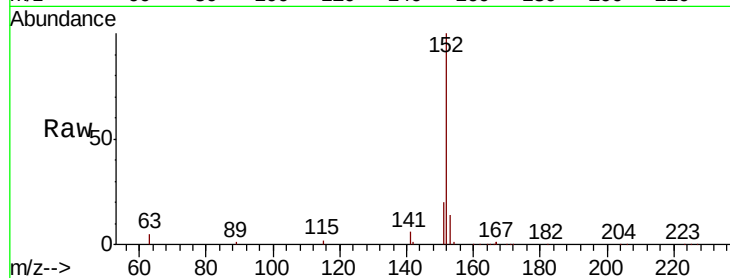
Tot Ion:152 Resp: 35914

Ion Ratio Lower Upper

152 100

151 20.0 15.9 23.9

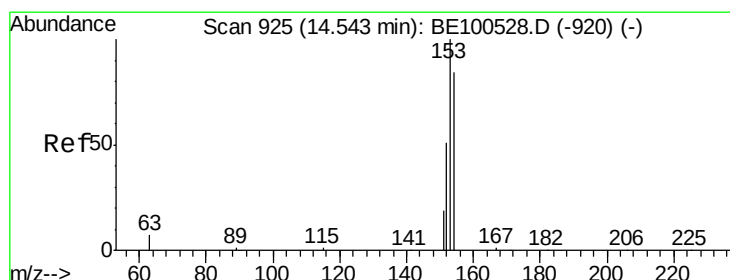
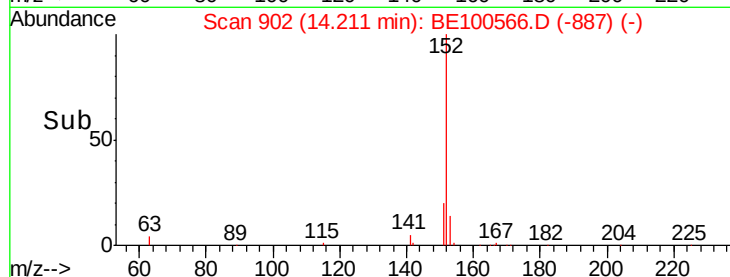
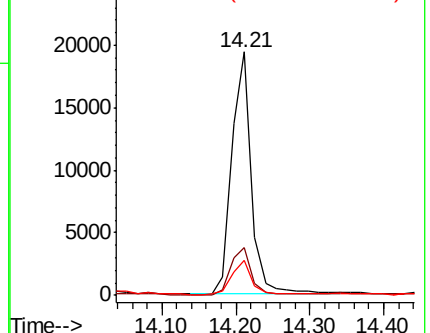
153 13.6 10.7 16.1



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: 0.100 ng

RT: 14.54 min Scan# 925

Delta R.T. -0.00 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

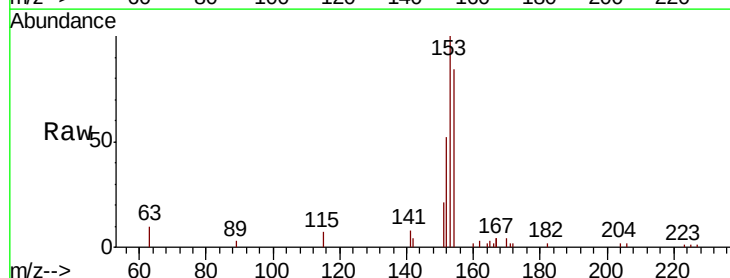
Tgt Ion:154 Resp: 5307

Ion Ratio Lower Upper

154 100

153 117.7 93.7 140.5

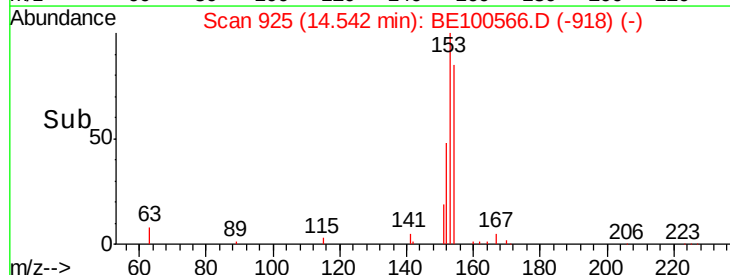
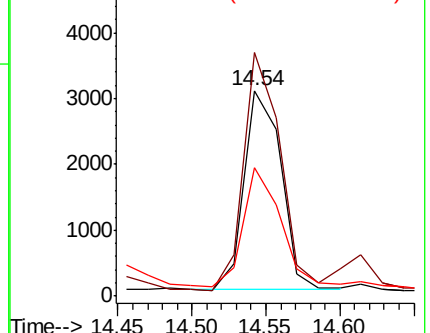
152 61.7 47.3 70.9

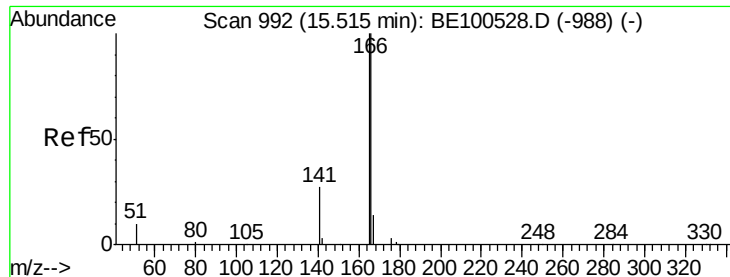


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

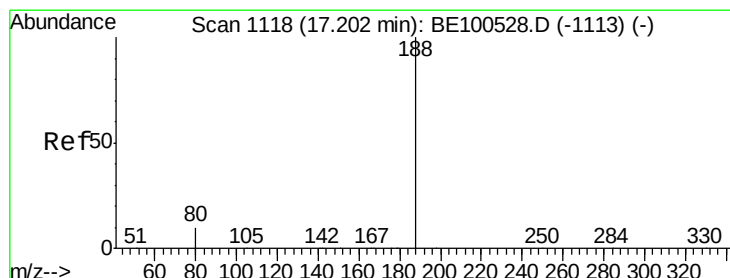
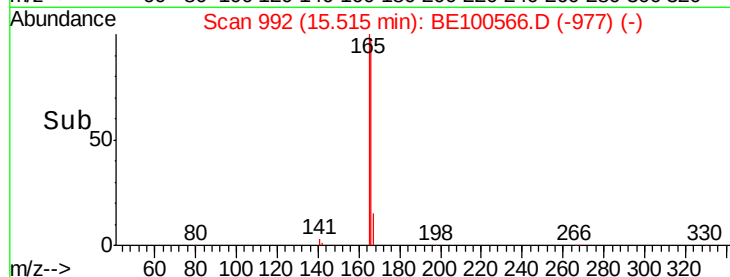
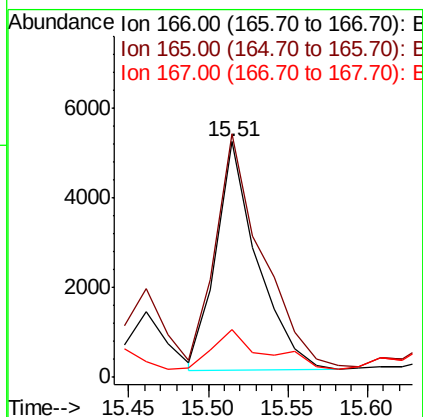
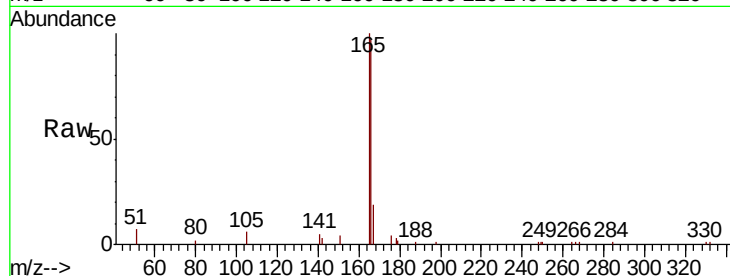




#18
 Fluorene
 Concen: 0.138 ng
 RT: 15.51 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

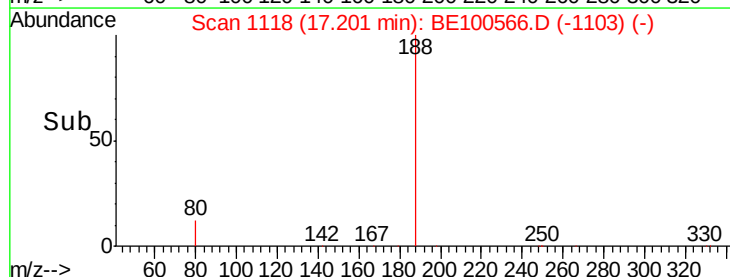
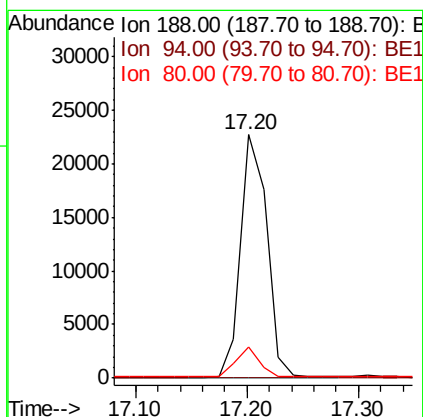
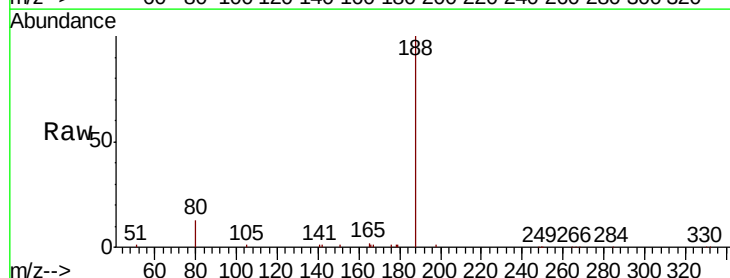
Instrument :
 BNA_E
 ClientSampleId :

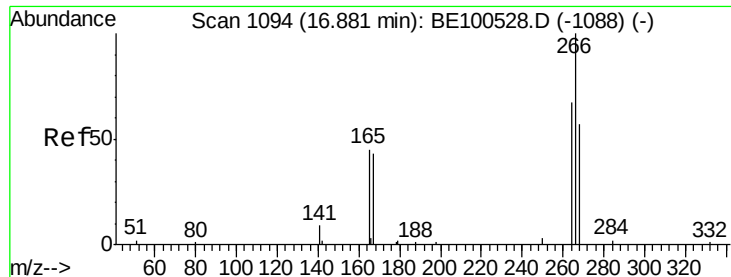
Tot Ion	Ratio	Lower	Upper
166	100		
165	112.7	80.1	120.1
167	22.5	10.9	16.3



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.20 min Scan# 1118
 Delta R.T. -0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	8.0	12.0

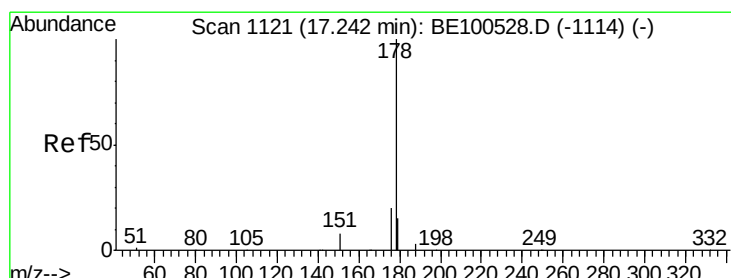
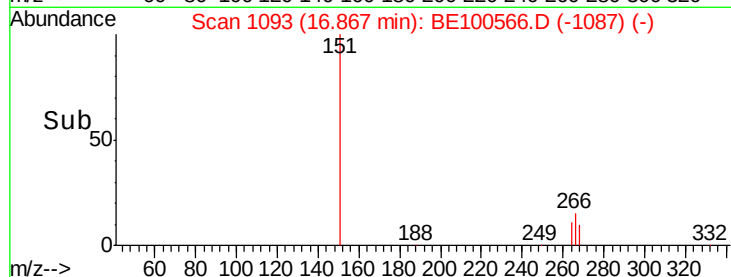
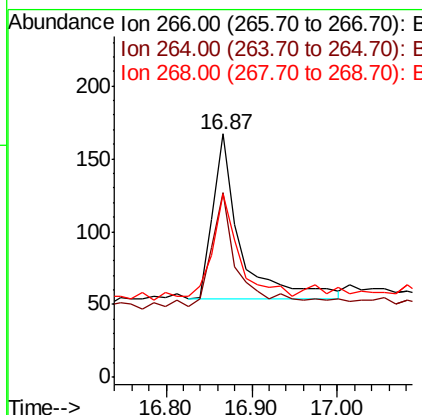
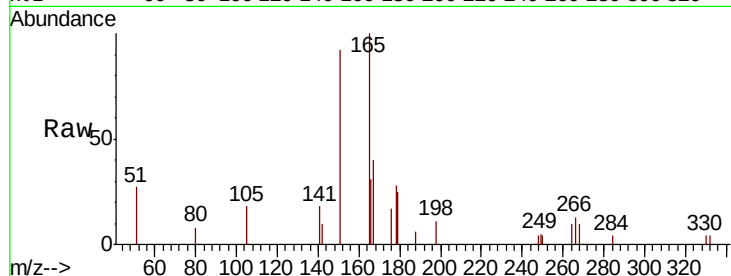




#22
 Pentachlorophenol
 Concen: 0.243 ng
 RT: 16.87 min Scan# 1093
 Delta R.T. -0.01 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

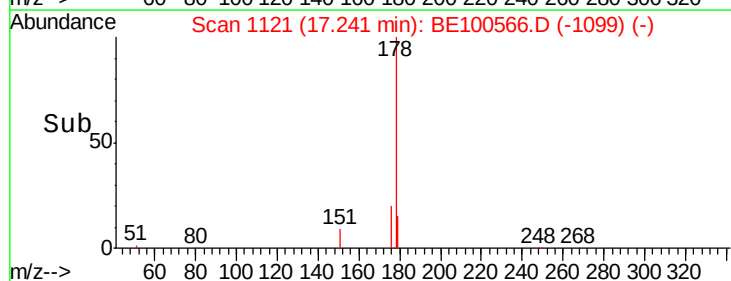
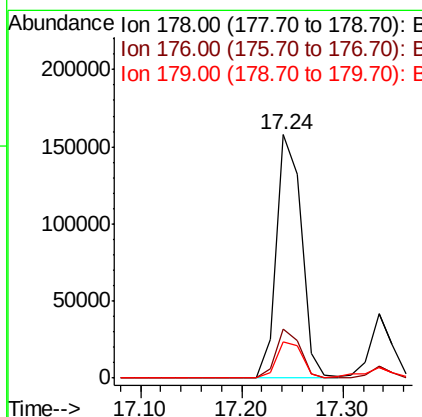
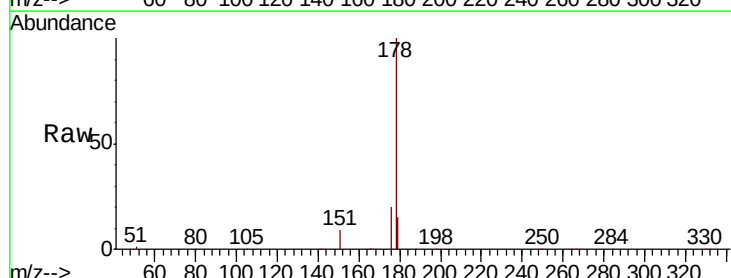
Instrument :
 BNA_E
 ClientSampleId :

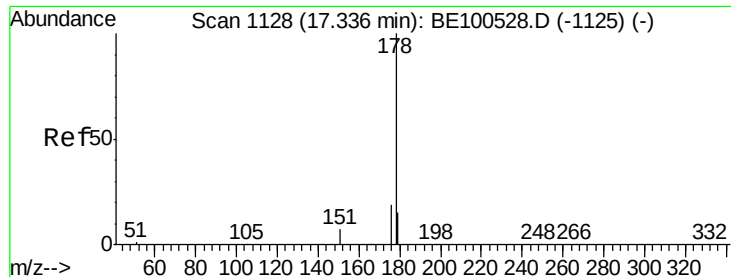
Tot Ion:266 Resp: 249
 Ion Ratio Lower Upper
 266 100
 264 76.0 57.6 86.4
 268 75.4 55.1 82.7



#23
 Phenanthrene
 Concen: 2.597 ng
 RT: 17.24 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

Tgt Ion:178 Resp: 268465
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.2
 179 15.5 12.6 18.8

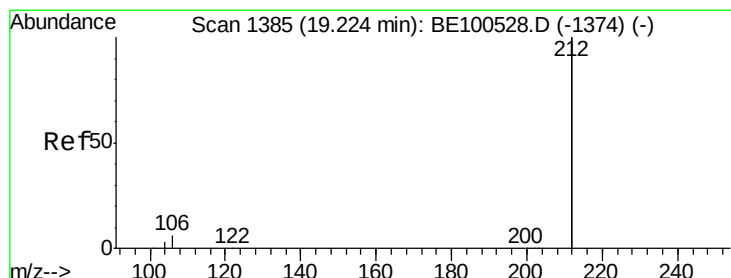
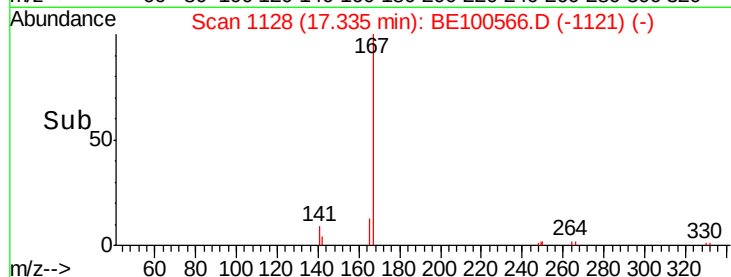
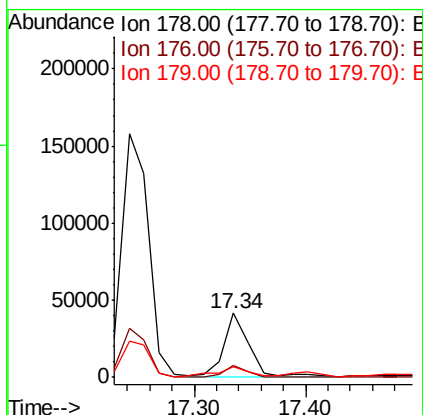
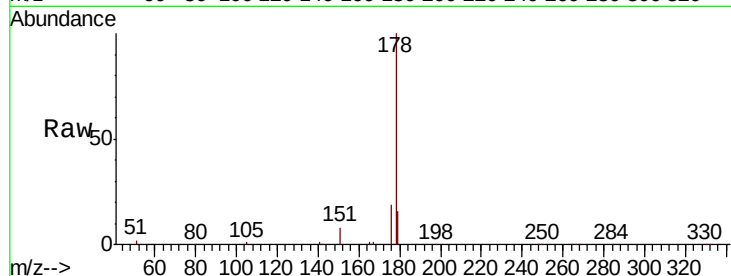




#24
 Anthracene
 Concen: 0.724 ng
 RT: 17.34 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

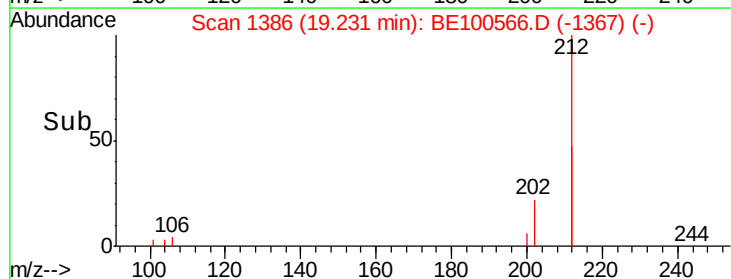
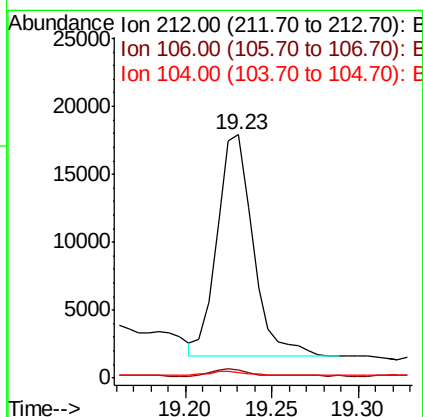
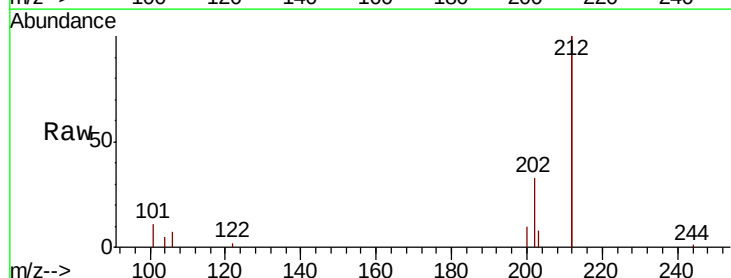
Instrument :
 BNA_E
 ClientSampled :

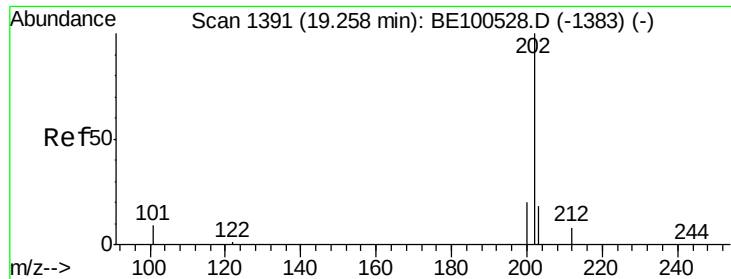
Tot Ion:178 Resp: 62950
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.2 22.8
 179 17.4 12.2 18.4



#25
 Fluoranthene-d10
 Concen: 0.054 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

Tgt Ion:212 Resp: 23607
 Ion Ratio Lower Upper
 212 100
 106 3.1 2.3 3.5
 104 2.4 1.3 1.9#

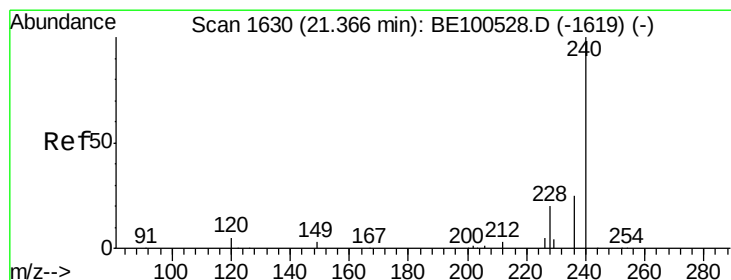
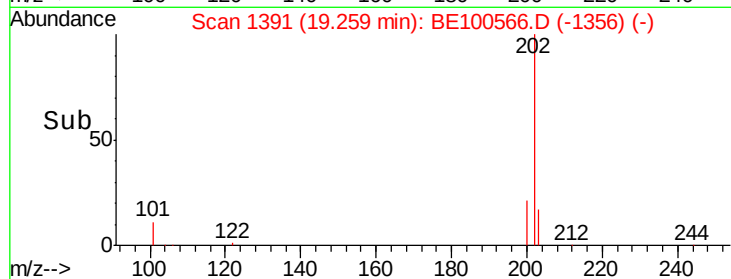
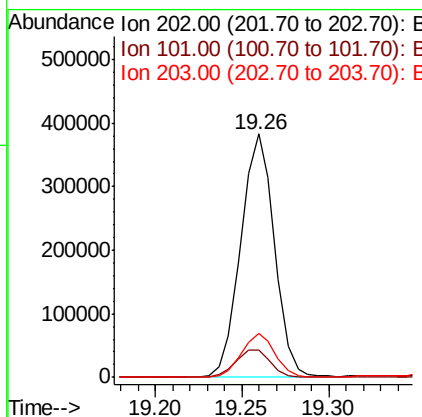
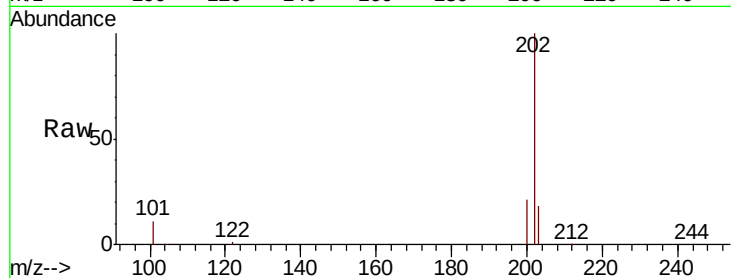




#26
 Fluoranthene
 Concen: 4.152 ng
 RT: 19.26 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

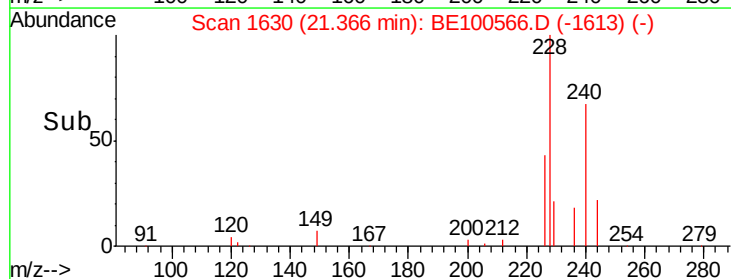
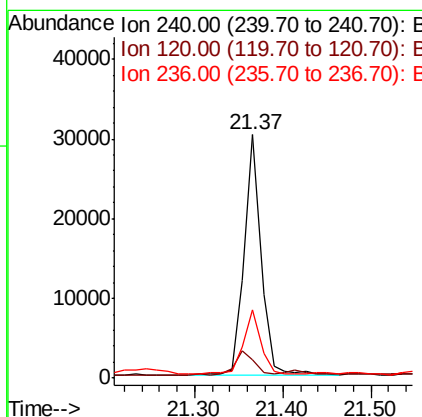
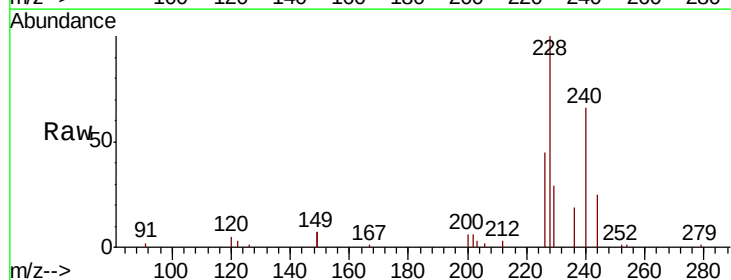
Instrument :
 BNA_E
 ClientSampled :

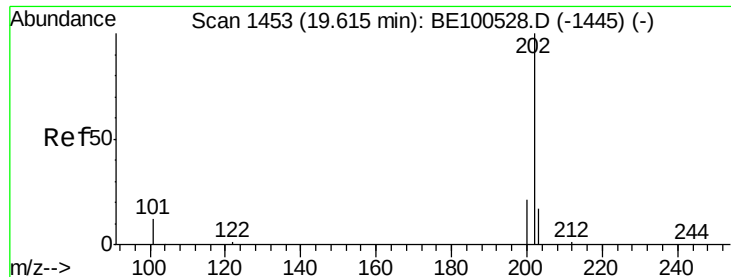
Tot Ion:202 Resp: 517431
 Ion Ratio Lower Upper
 202 100
 101 11.7 8.8 13.2
 203 17.8 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.37 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: BE100566.D
 Acq: 26 Sep 2019 13:37

Tgt Ion:240 Resp: 40194
 Ion Ratio Lower Upper
 240 100
 120 7.6 4.5 6.7#
 236 28.3 20.6 30.8

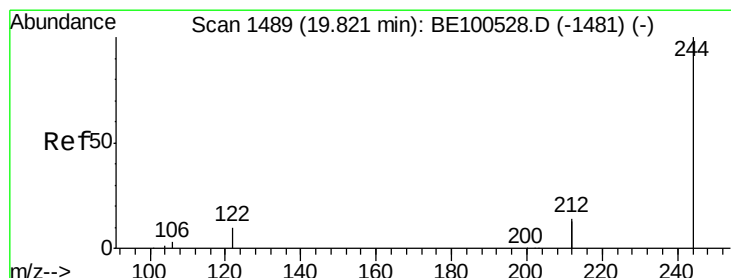
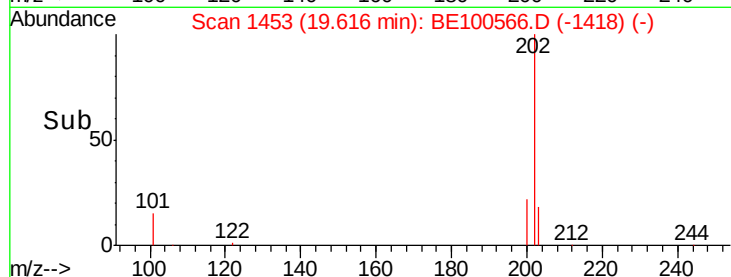
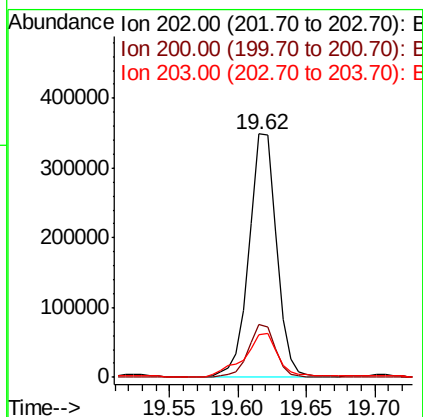
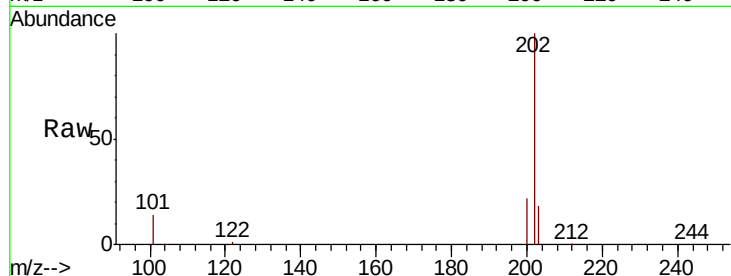




#28
Pvrene
Concen: 4.172 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

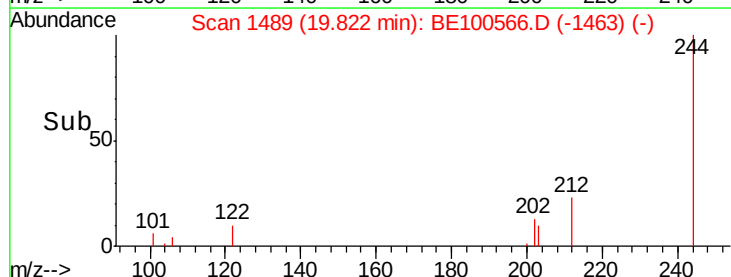
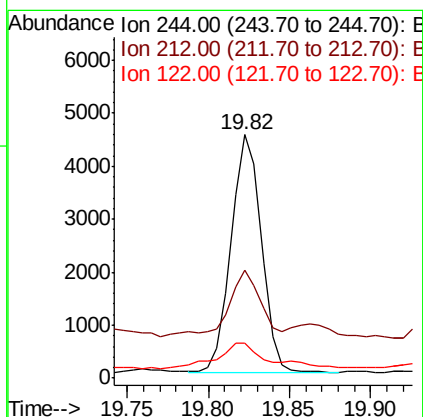
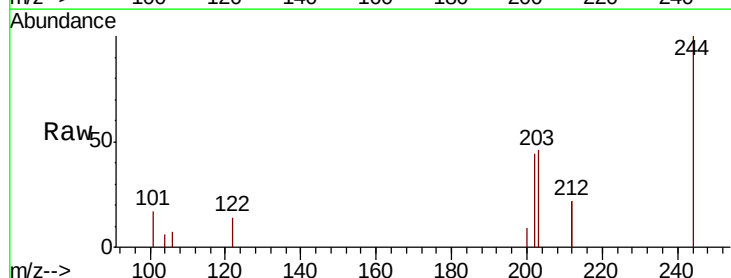
Instrument :
BNA_E
ClientSampleId :

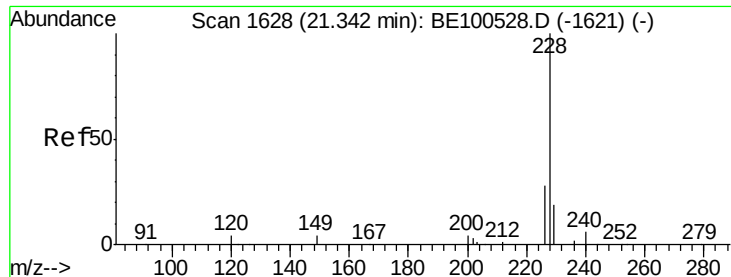
Tot Ion:202 Resp: 482540
Ion Ratio Lower Upper
202 100
200 21.4 16.6 25.0
203 22.2 14.0 21.0#



#29
Terphenyl-d14
Concen: 0.061 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

Tgt Ion:244 Resp: 5821
Ion Ratio Lower Upper
244 100
212 44.4 22.2 33.2#
122 14.2 8.3 12.5#

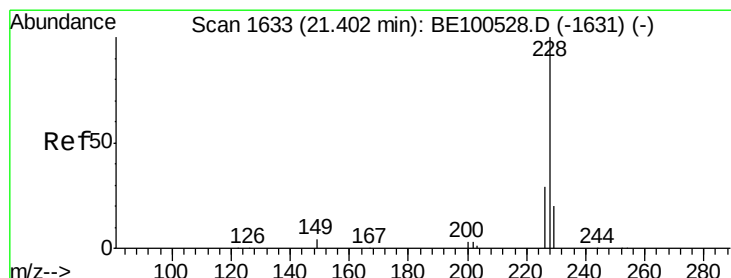
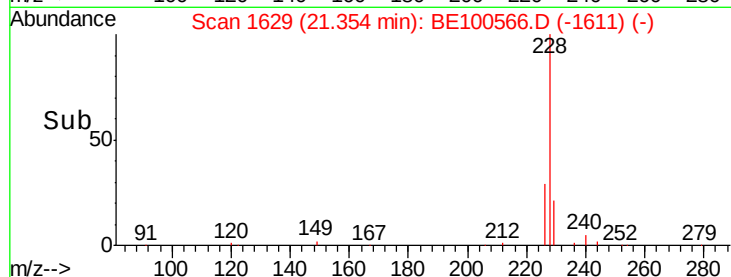
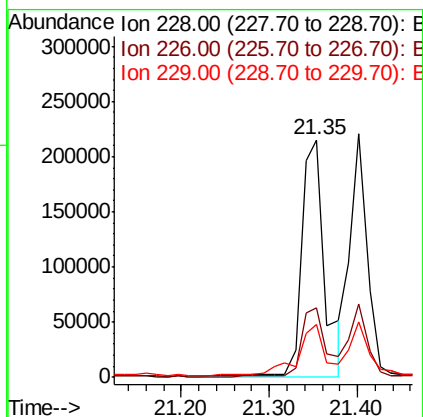
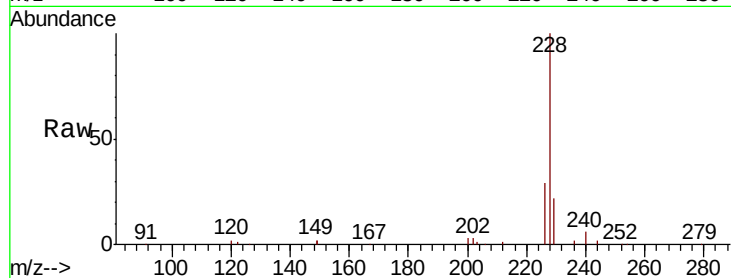




#30
Benzo(a)anthracene
Concen: 3.649 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.01 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

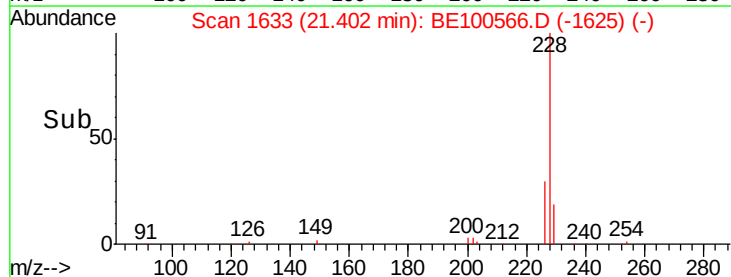
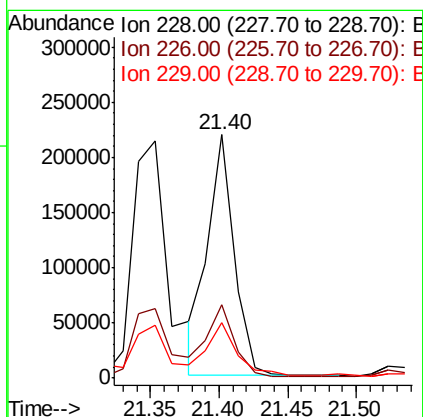
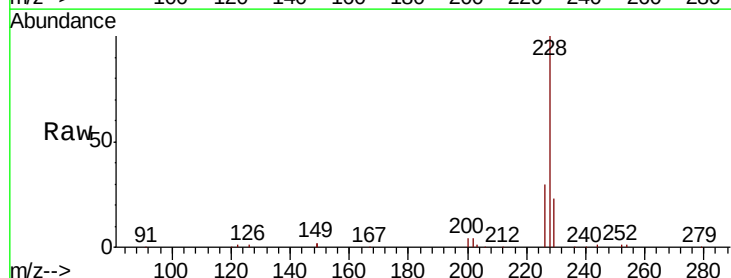
Instrument :
BNA_E
ClientSampled :

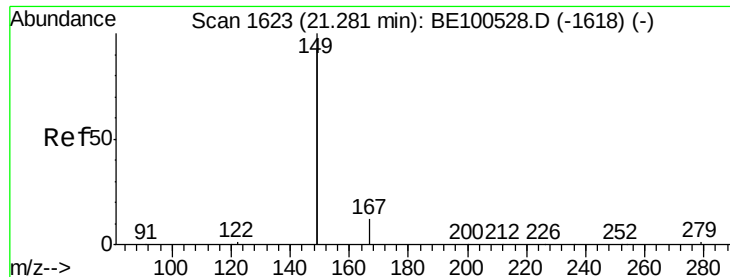
Tot Ion:228 Resp: 391773
Ion Ratio Lower Upper
228 100
226 29.3 22.5 33.7
229 22.4 15.4 23.2



#31
Chrysene
Concen: 2.409 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

Tgt Ion:228 Resp: 294696
Ion Ratio Lower Upper
228 100
226 30.1 23.3 34.9
229 23.0 16.3 24.5





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.498 ng

RT: 21.28 min Scan# 1623

Delta R.T. -0.00 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

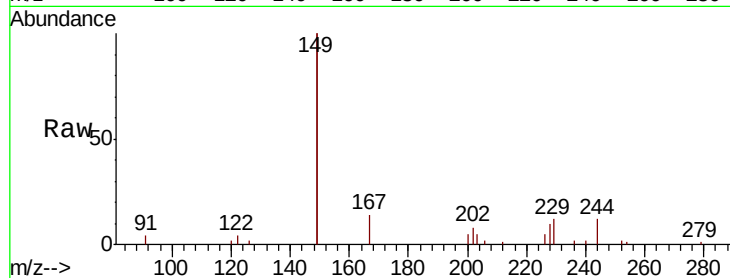
Instrument :

BNA_E

ClientSampleId :

Tot Ion:149 Resp: 57607

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.2	7.8
279	1.1	1.0	1.4

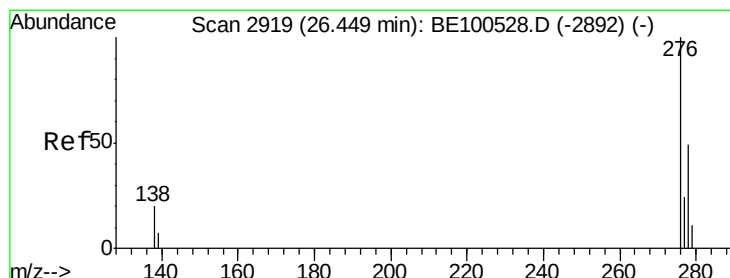
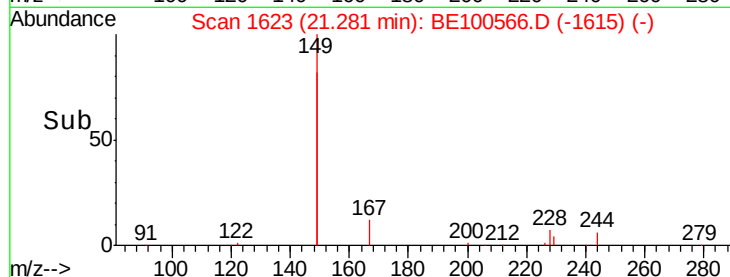
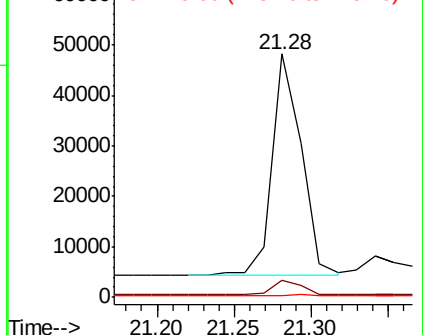


Abundance

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



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.186 ng

RT: 26.46 min Scan# 2921

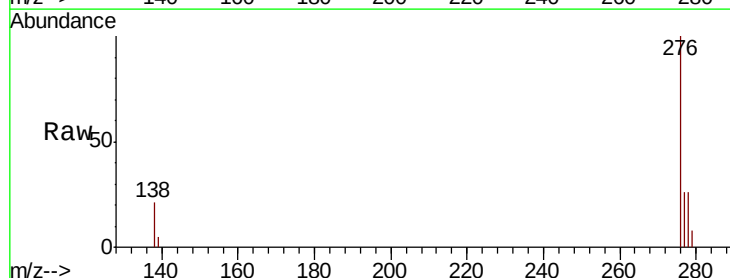
Delta R.T. 0.01 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Tgt Ion:276 Resp: 161241

Ion	Ratio	Lower	Upper
276	100		
138	20.4	17.7	26.5
277	25.2	19.9	29.9

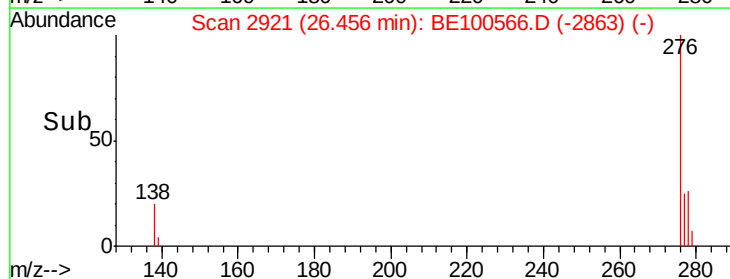
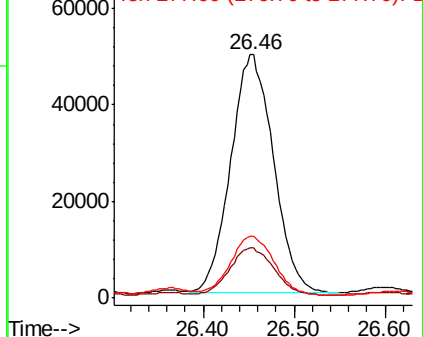


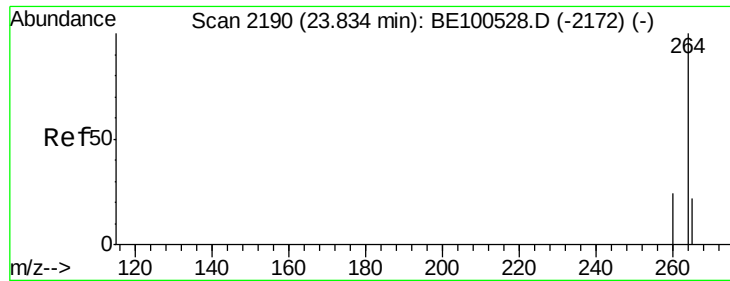
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

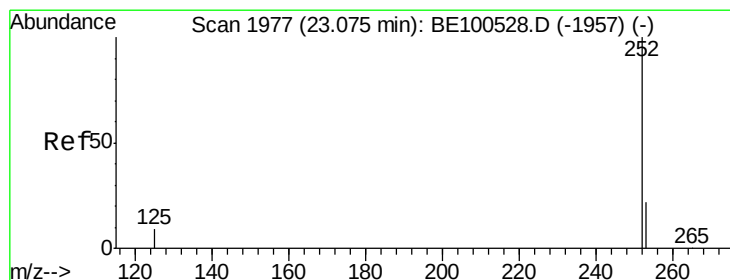
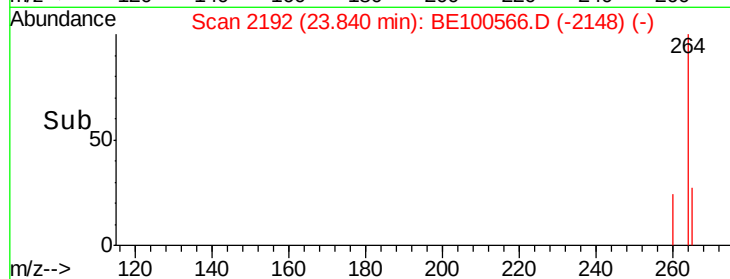
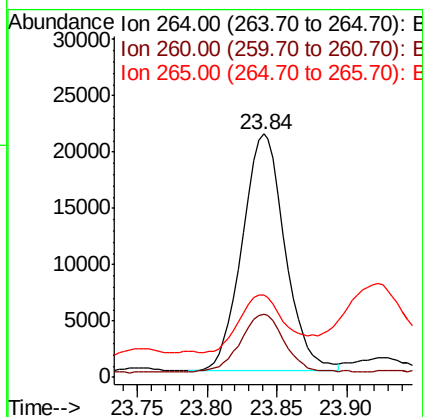
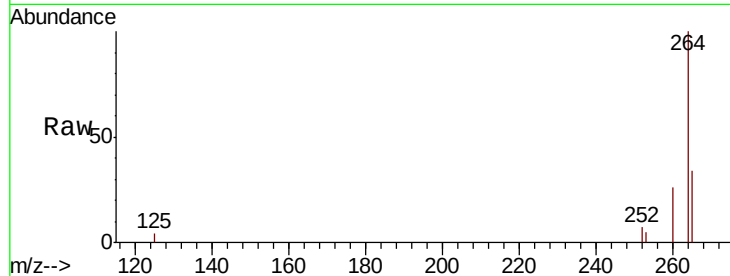




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2192
Delta R.T. 0.01 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

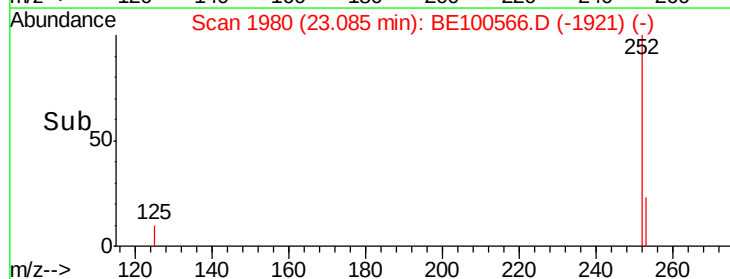
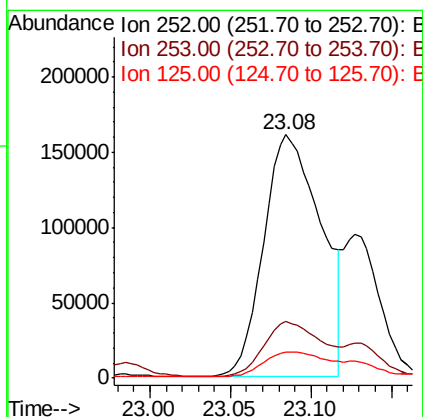
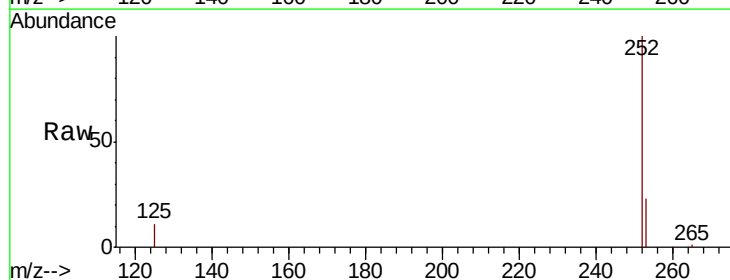
Instrument :
BNA_E
ClientSampleId :

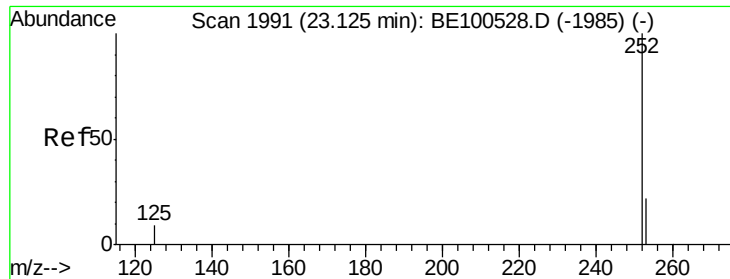
Tot Ion:264 Resp: 45096
Ion Ratio Lower Upper
264 100
260 26.0 19.6 29.4
265 33.7 21.8 32.8#



#35
Benzo(b)fluoranthene
Concen: 3.261 ng
RT: 23.08 min Scan# 1980
Delta R.T. 0.01 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

Tgt Ion:252 Resp: 397934
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 10.7 8.0 12.0

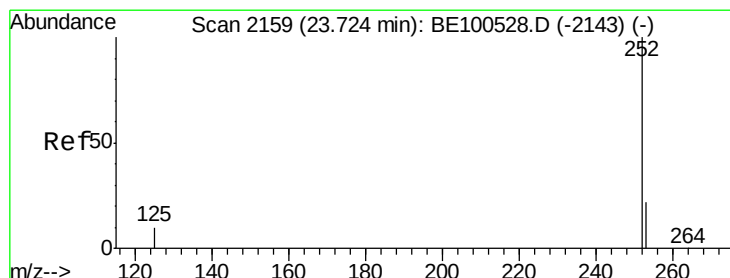
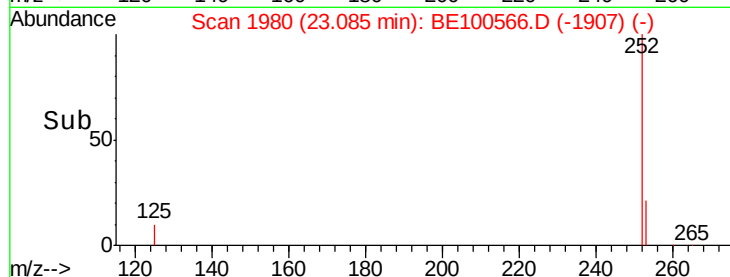
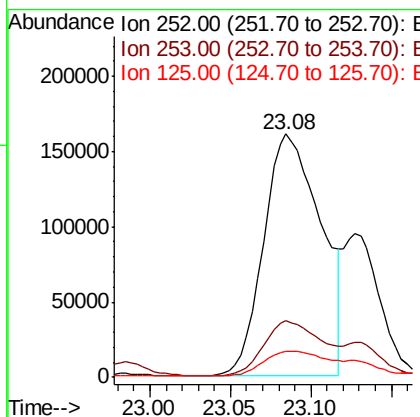
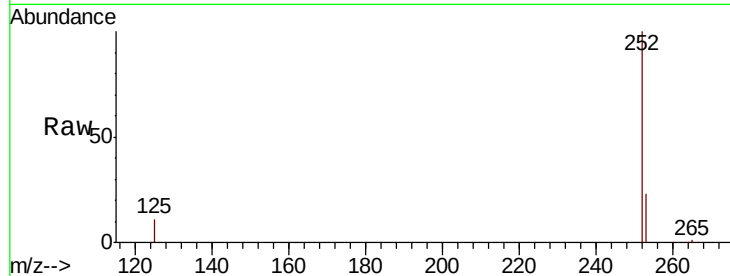




#36
Benzo(k)fluoranthene
Concen: 2.819 ng
RT: 23.08 min Scan# 1980
Delta R.T. -0.04 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

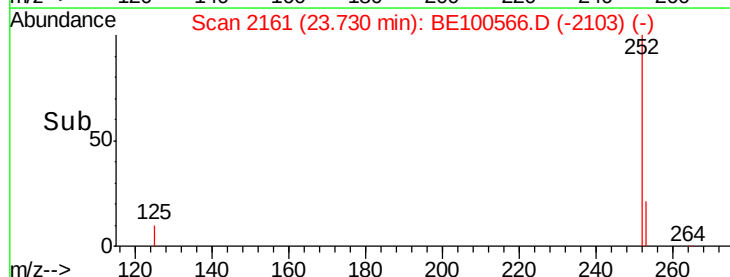
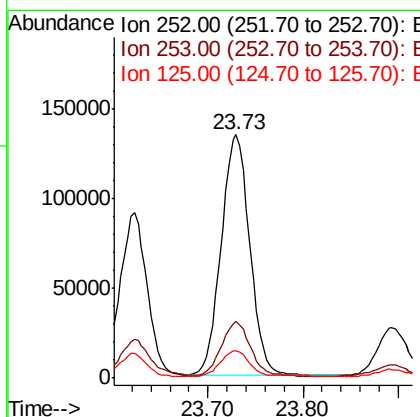
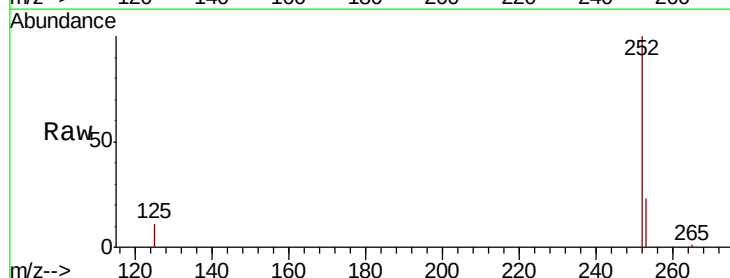
Instrument :
BNA_E
ClientSampleId :

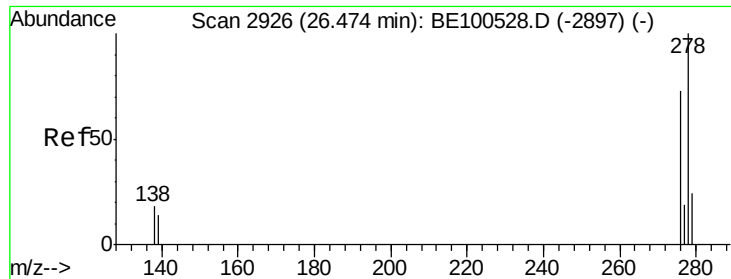
Tot Ion:252 Resp: 397934
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 10.7 8.5 12.7



#37
Benzo(a)pyrene
Concen: 2.444 ng
RT: 23.73 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BE100566.D
Acq: 26 Sep 2019 13:37

Tgt Ion:252 Resp: 278185
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 11.2 9.2 13.8





#38

Dibenzo(a,h)anthracene

Concen: 0.444 ng

RT: 26.47 min Scan# 2926

Delta R.T. -0.00 min

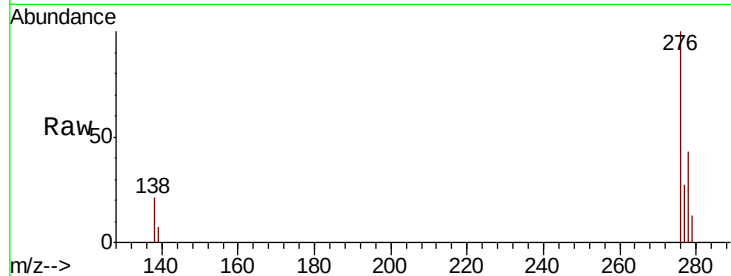
Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Instrument :

BNA_E

ClientSampleId :



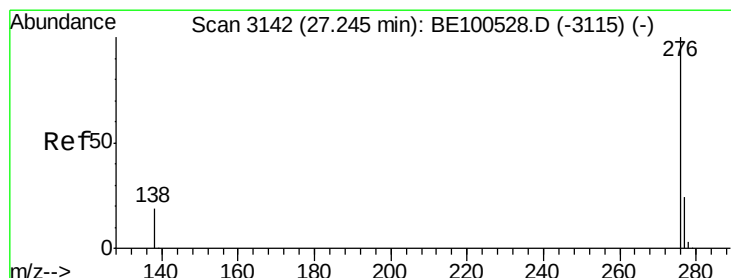
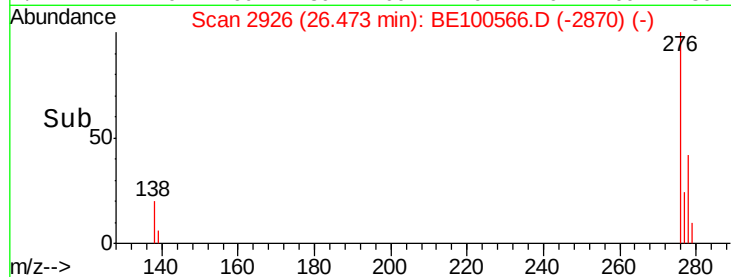
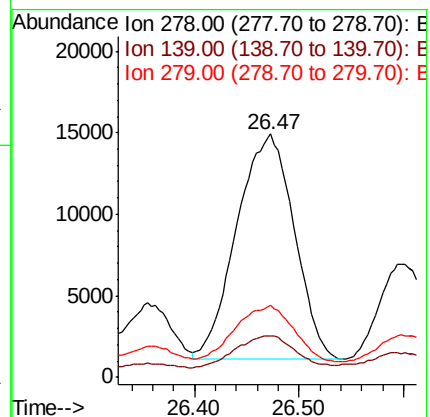
Tot Ion:278 Resp: 52676

Ion Ratio Lower Upper

278 100

139 17.2 11.6 17.4

279 29.4 19.7 29.5



#39

Benzo(g,h,i)perylene

Concen: 1.174 ng

RT: 27.26 min Scan# 3146

Delta R.T. 0.01 min

Lab File: BE100566.D

Acq: 26 Sep 2019 13:37

Tgt Ion:276 Resp: 145358

Ion Ratio Lower Upper

276 100

277 24.8 19.2 28.8

138 20.2 15.7 23.5

