

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071919\
 Data File : BE100466.D
 Acq On : 19 Jul 2019 11:50
 Operator : HP/JU
 Sample : SSTDICC1.6
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

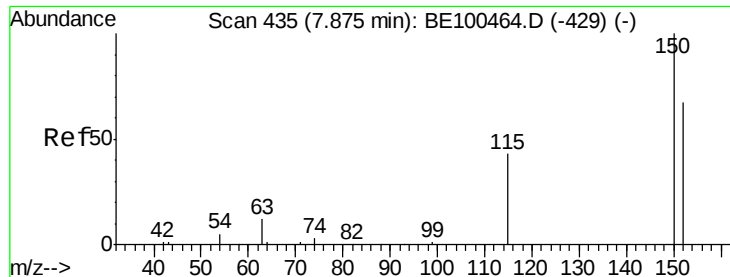
Quant Time: Jul 19 13:33:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 19 13:27:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	2597	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	10535	0.40	ng	0.00
13) Acenaphthene-d10	14.50	164	6736	0.40	ng	0.00
19) Phenanthrene-d10	17.21	188	18105	0.40	ng	0.00
27) Chrysene-d12	21.38	240	23383	0.40	ng	0.00
34) Perylene-d12	23.86	264	24823	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	10399	2.10	ng	0.00
5) Phenol-d6	7.04	99	14966	2.05	ng	0.00
8) Nitrobenzene-d5	9.02	82	14015	2.41	ng	0.00
11) 2-Methylnaphthalene-d10	12.25	152	27985	1.76	ng	0.00
14) 2,4,6-Tribromophenol	15.97	330	4920	3.23	ng	0.00
15) 2-Fluorobiphenyl	13.13	172	43919	1.46	ng	0.00
25) Fluoranthene-d10	19.24	212	415669	1.93	ng	0.00
29) Terphenyl-d14	19.83	244	89202	1.56	ng	0.00

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.36	88	5880	1.531	ng	88
3) n-Nitrosodimethylamine	3.68	42	4043	1.796	ng	# 90
6) bis(2-Chloroethyl)ether	7.30	93	12817	1.737	ng	98
9) Naphthalene	10.72	128	163970	1.597	ng	100
10) Hexachlorobutadiene	11.02	225	7722	1.553	ng	98
12) 2-Methylnaphthalene	12.32	142	29268	1.706	ng	98
16) Acenaphthylene	14.23	152	50380	1.849	ng	99
17) Acenaphthene	14.56	154	30871	1.649	ng	99
18) Fluorene	15.53	166	41677	1.726	ng	98
20) 4-Bromophenyl-phenylether	16.43	248	14056	1.488	ng	97
21) Hexachlorobenzene	16.53	284	14470	1.310	ng	98
22) Pentachlorophenol	16.88	266	6113	3.171	ng	91
23) Phenanthrene	17.25	178	74783	1.550	ng	99
24) Anthracene	17.35	178	70709	1.776	ng	100
26) Fluoranthene	19.27	202	109902	1.793	ng	99
28) Pyrene	19.63	202	113666	1.662	ng	100
30) Benzo(a)anthracene	21.37	228	117761	1.856	ng	99
31) Chrysene	21.41	228	117782	1.563	ng	99
32) Bis(2-ethylhexyl)phthalate	21.30	149	254241	5.586	ng	100
33) Indeno(1,2,3-cd)pyrene	26.48	276	127489	1.903	ng	99
35) Benzo(b)fluoranthene	23.10	252	113314	1.494	ng	97
36) Benzo(k)fluoranthene	23.15	252	121223	1.510	ng	# 93
37) Benzo(a)pyrene	23.74	252	109878	1.762	ng	96
38) Dibenzo(a,h)anthracene	26.51	278	104247	1.568	ng	97
39) Benzo(g,h,i)perylene	27.28	276	105512	1.517	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.88 min Scan# 435

Delta R.T. 0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

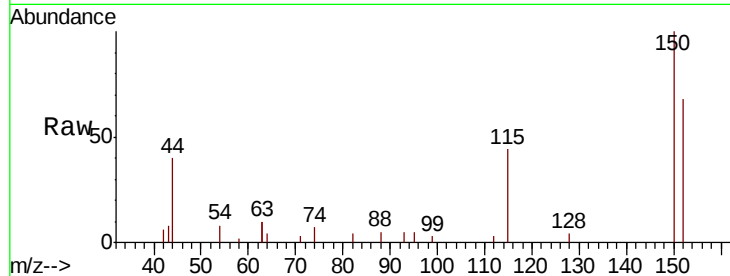
Tot Ion:152 Resp: 2597

Ion Ratio Lower Upper

152 100

150 146.2 117.6 176.4

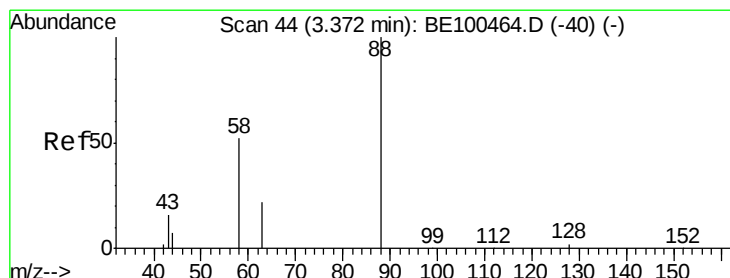
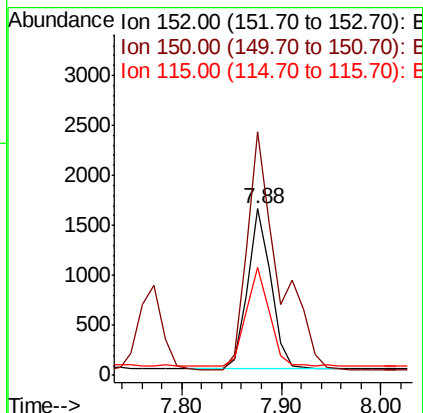
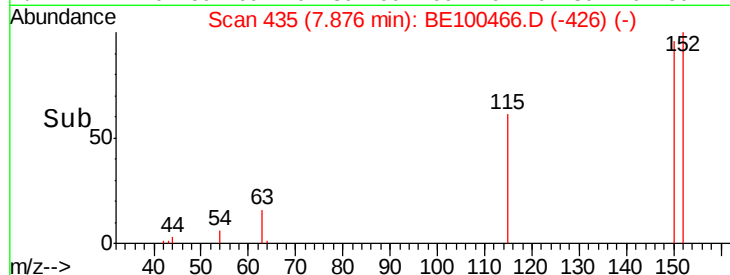
115 64.6 54.9 82.3



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: 1.531 ng

RT: 3.36 min Scan# 43

Delta R.T. -0.01 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

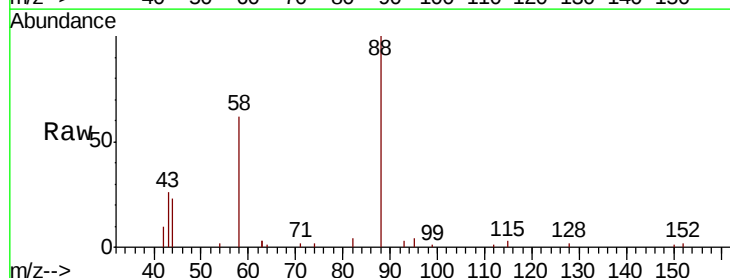
Tgt Ion: 88 Resp: 5880

Ion Ratio Lower Upper

88 100

58 73.5 50.2 75.4

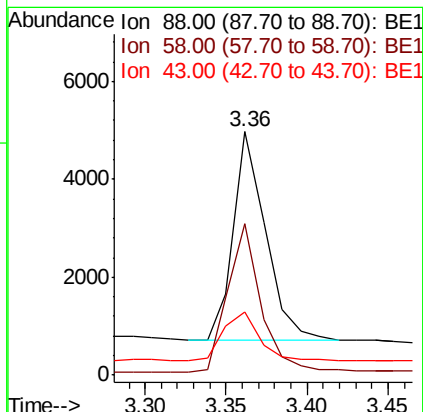
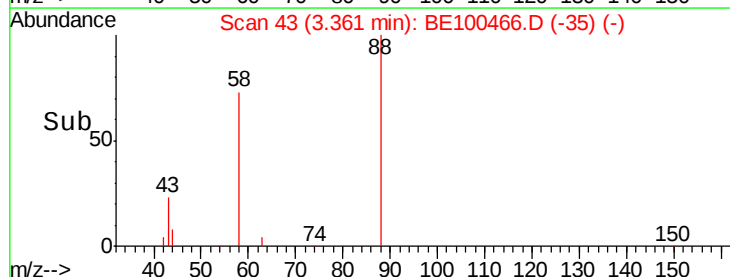
43 26.9 19.1 28.7

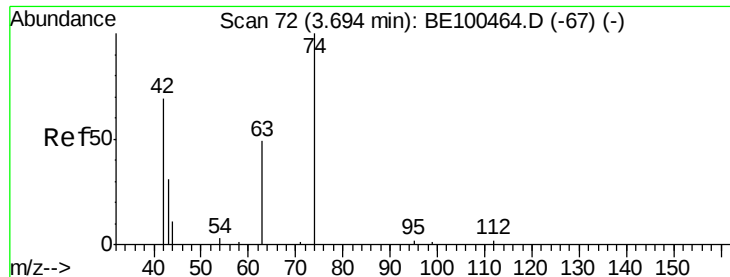


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#3

n-Nitrosodimethylamine

Concen: 1.796 ng

RT: 3.68 min Scan# 71

Delta R.T. -0.01 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

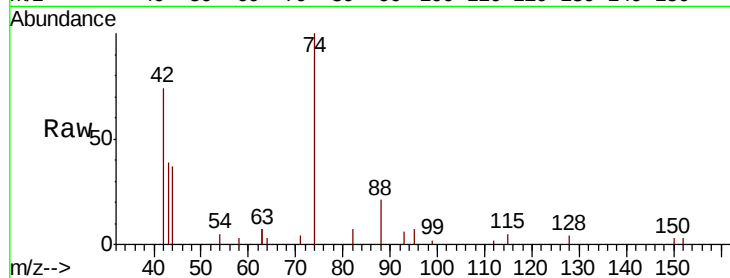
Tot Ion: 42 Resp: 4043

Ion Ratio Lower Upper

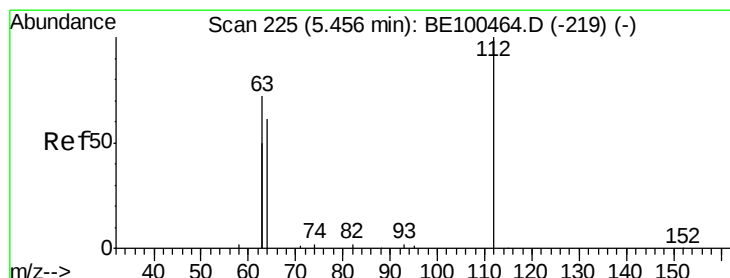
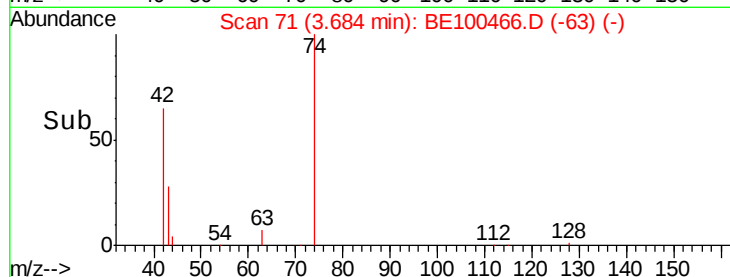
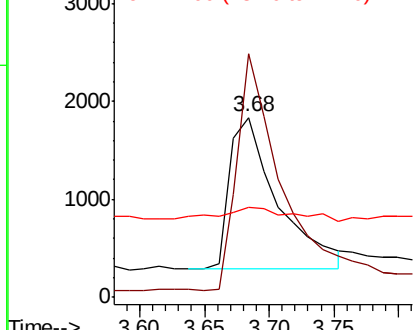
42 100

74 144.2 105.8 158.8

44 13.9 0.0 0.0#



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: 2.105 ng

RT: 5.46 min Scan# 225

Delta R.T. 0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

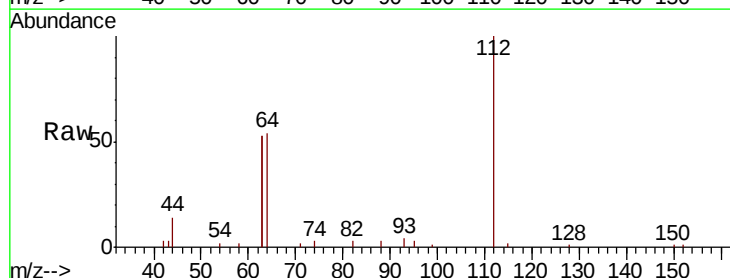
Tgt Ion: 112 Resp: 10399

Ion Ratio Lower Upper

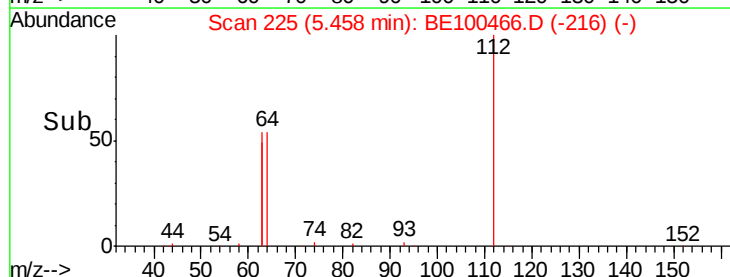
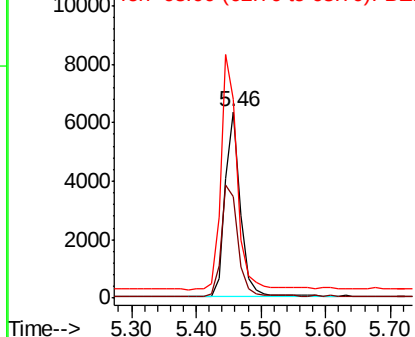
112 100

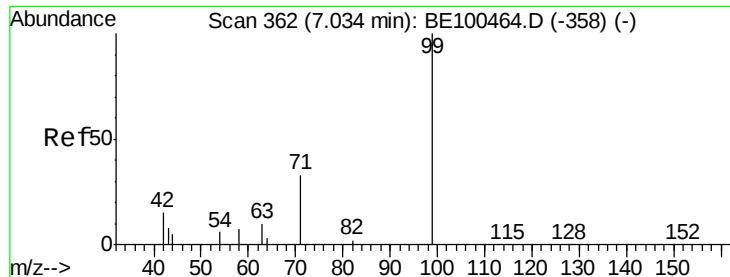
64 66.1 51.9 77.9

63 134.1 103.9 155.9



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: 2.050 ng

RT: 7.04 min Scan# 362

Delta R.T. 0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampled :

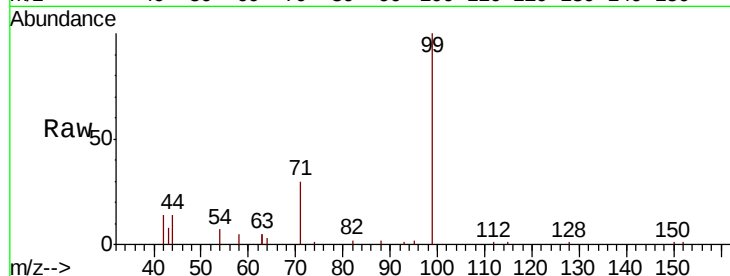
Tot Ion: 99 Resp: 14966

Ion Ratio Lower Upper

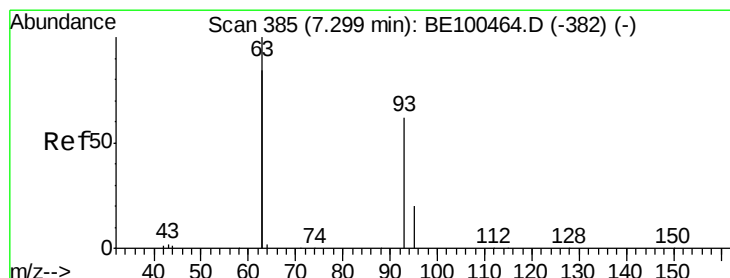
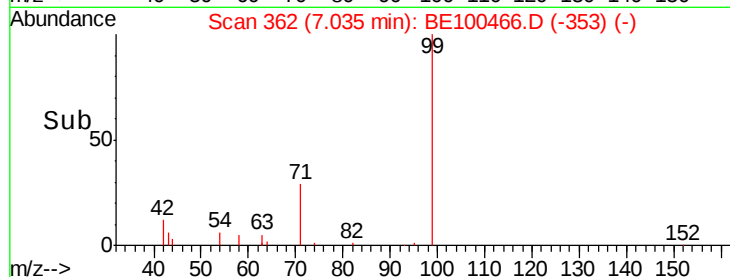
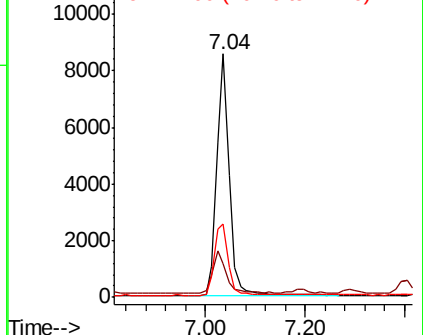
99 100

42 18.1 16.2 24.4

71 33.0 26.0 39.0



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



#6

bis(2-Chloroethyl)ether

Concen: 1.737 ng

RT: 7.30 min Scan# 385

Delta R.T. 0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

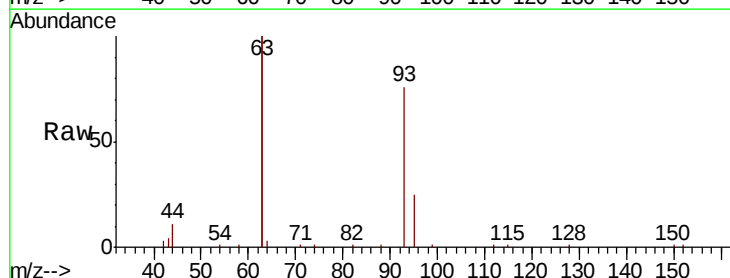
Tgt Ion: 93 Resp: 12817

Ion Ratio Lower Upper

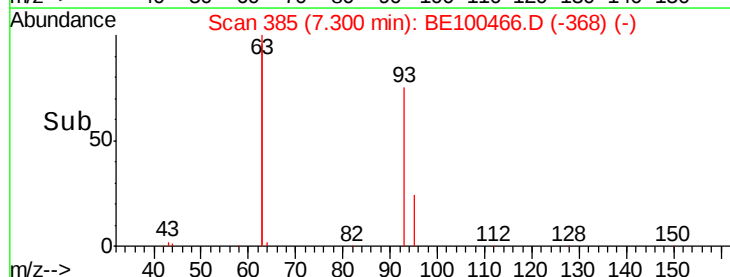
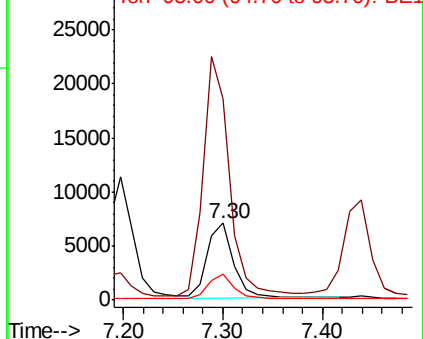
93 100

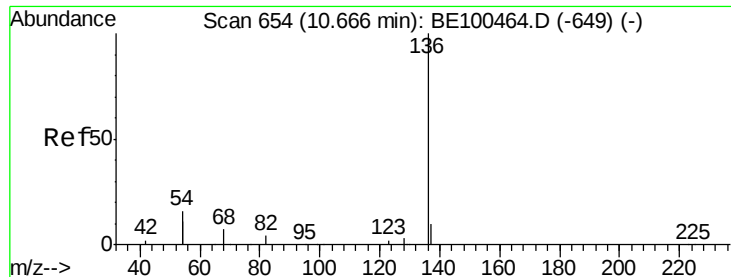
63 315.1 248.4 372.6

95 31.6 24.7 37.1



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: 10.67 min Scan# 654

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 10535

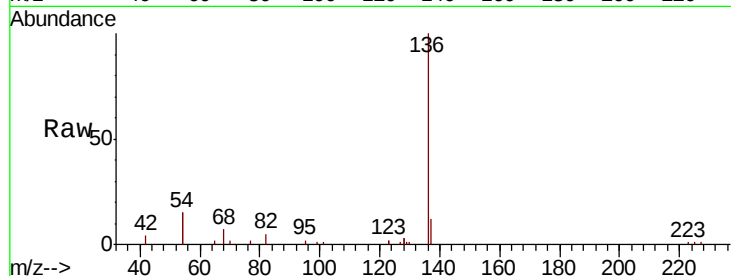
Ion Ratio Lower Upper

136 100

137 11.6 9.0 13.6

54 29.8 26.2 39.2

68 7.0 6.5 9.7

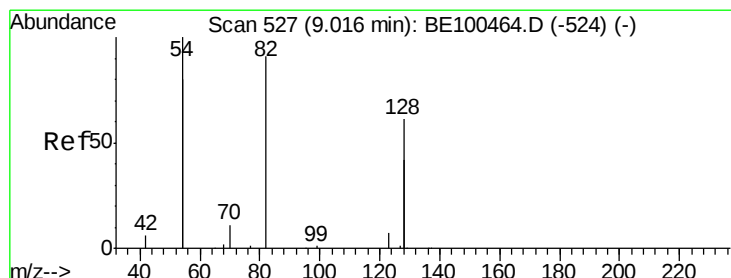
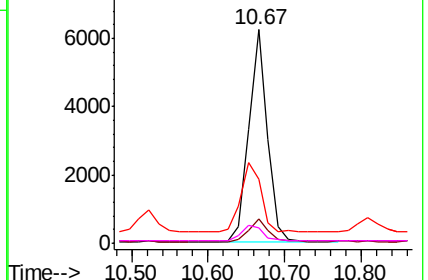
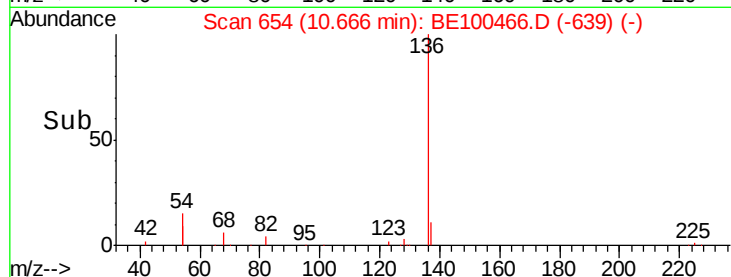


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.410 ng

RT: 9.02 min Scan# 527

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

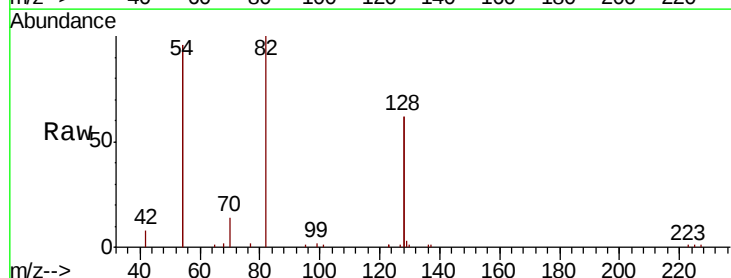
Tgt Ion: 82 Resp: 14015

Ion Ratio Lower Upper

82 100

128 124.9 100.7 151.1

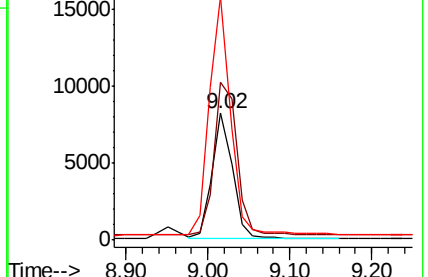
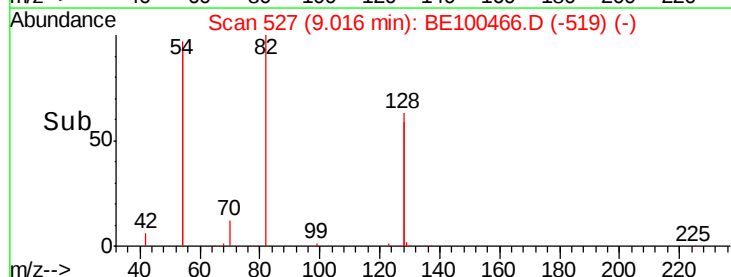
54 192.4 164.4 246.6

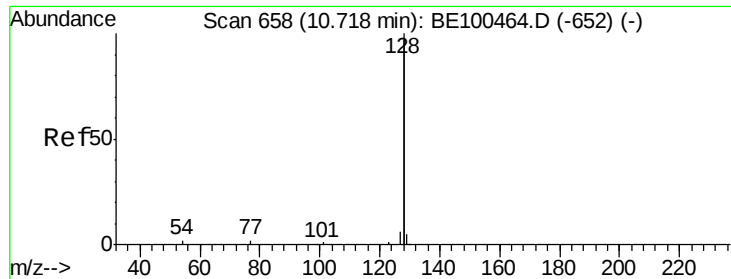


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 1.597 ng

RT: 10.72 min Scan# 658

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

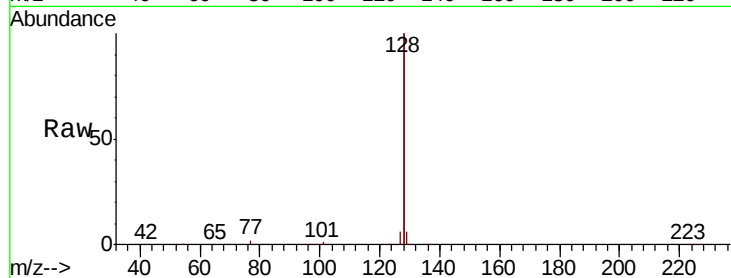
Tot Ion:128 Resp: 163970

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

127 3.2 2.6 4.0

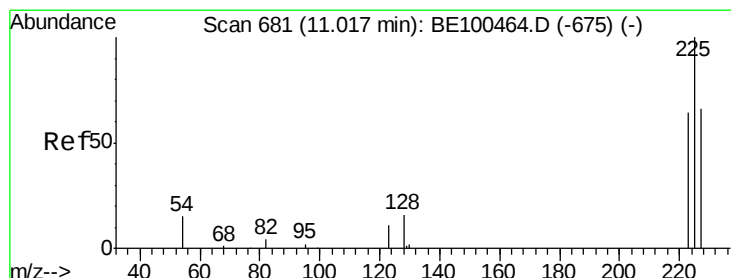
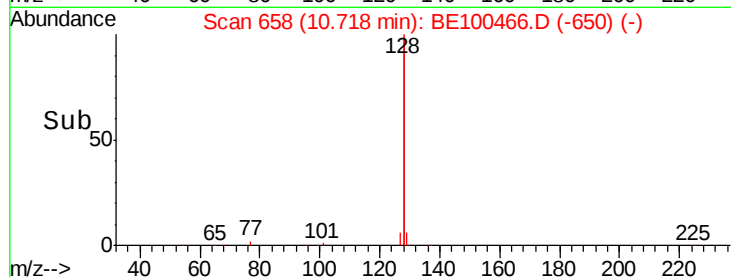
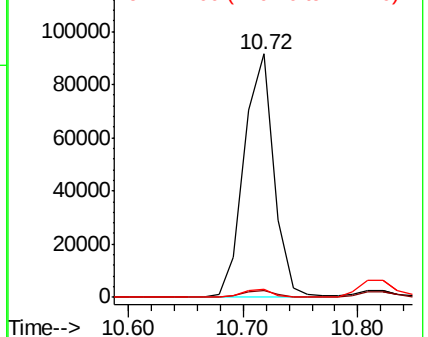


Abundance

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



#10

Hexachlorobutadiene

Concen: 1.553 ng

RT: 11.02 min Scan# 681

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

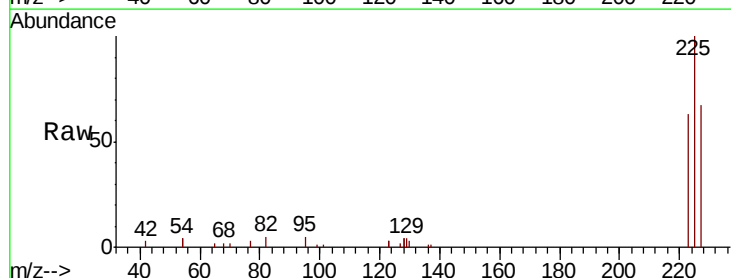
Tgt Ion:225 Resp: 7722

Ion Ratio Lower Upper

225 100

223 63.4 51.7 77.5

227 65.4 50.9 76.3

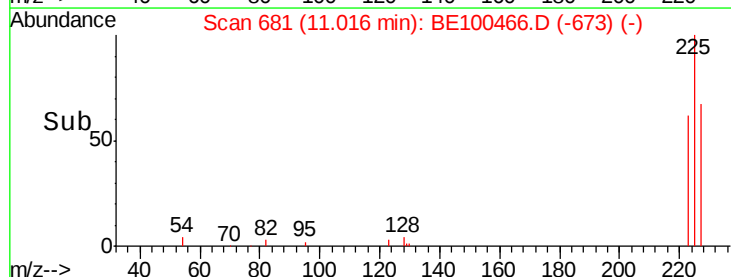
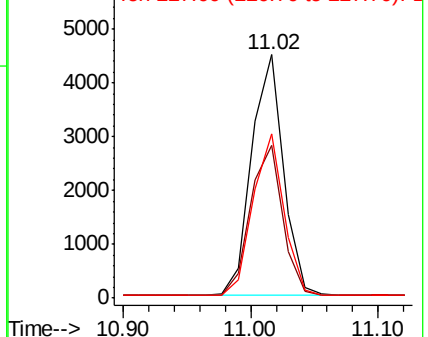


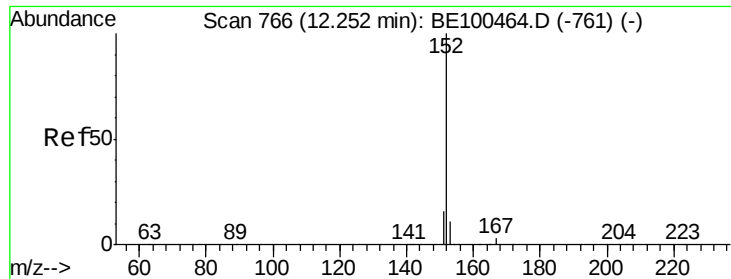
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

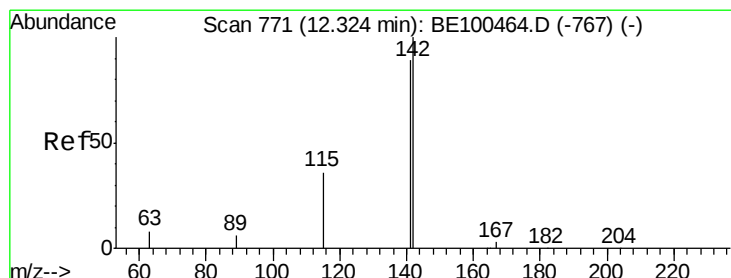
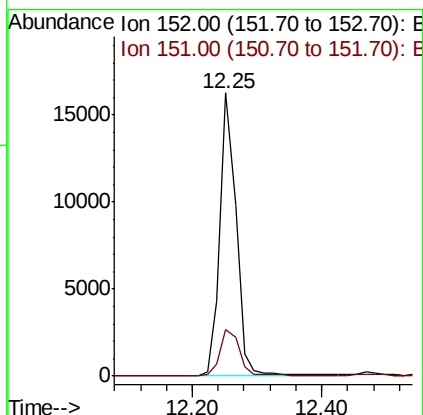
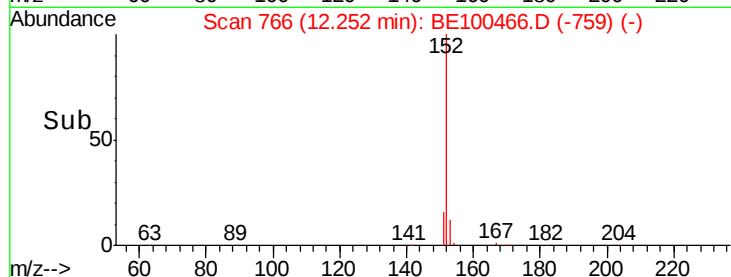
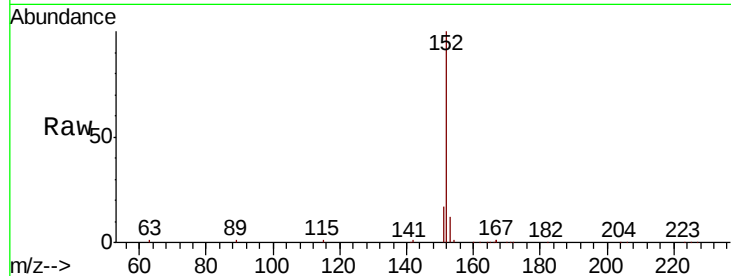




#11
 2-Methylnaphthalene-d10
 Concen: 1.756 ng
 RT: 12.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

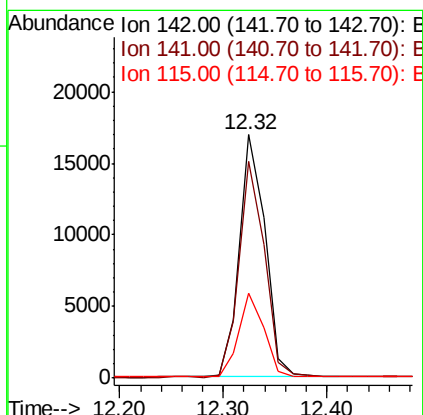
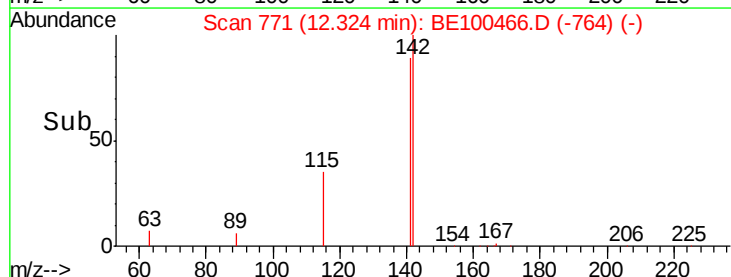
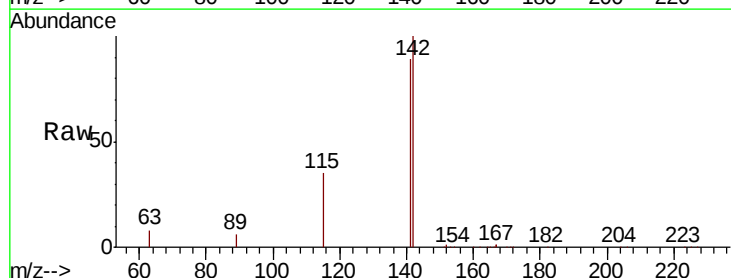
Instrument :
 BNA_E
 ClientSampleId :

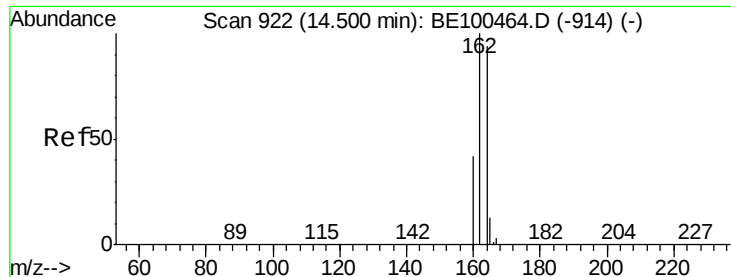
Tot Ion:152 Resp: 27985
 Ion Ratio Lower Upper
 152 100
 151 19.0 15.8 23.6



#12
 2-Methylnaphthalene
 Concen: 1.706 ng
 RT: 12.32 min Scan# 771
 Delta R.T. 0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

Tgt Ion:142 Resp: 29268
 Ion Ratio Lower Upper
 142 100
 141 89.2 71.7 107.5
 115 35.0 30.4 45.6

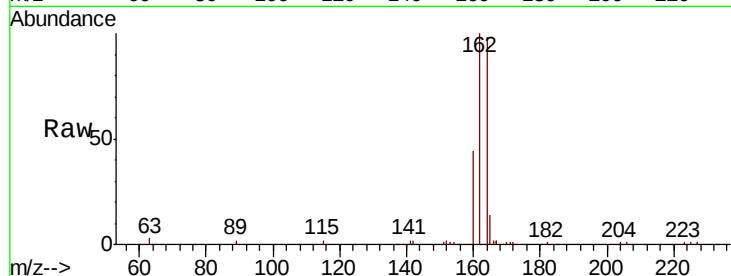




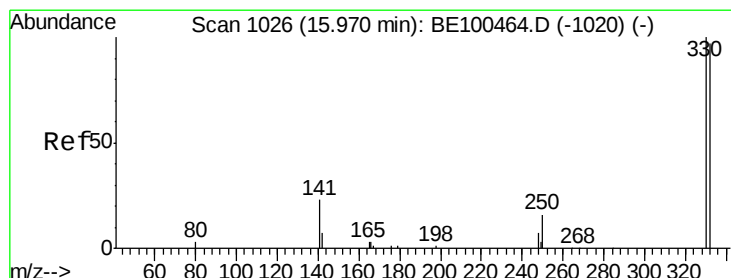
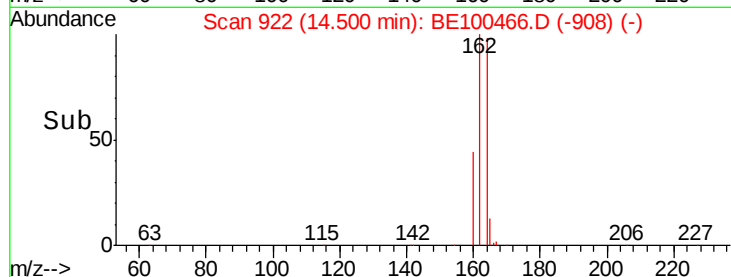
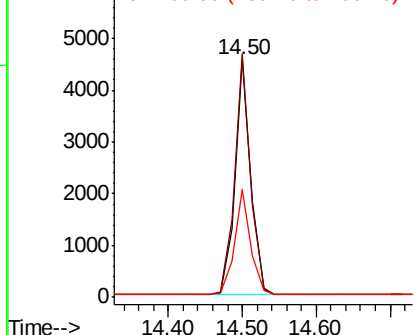
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.50 min Scan# 922
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 6736
Ion Ratio Lower Upper
164 100
162 102.2 85.0 127.6
160 45.3 36.2 54.2

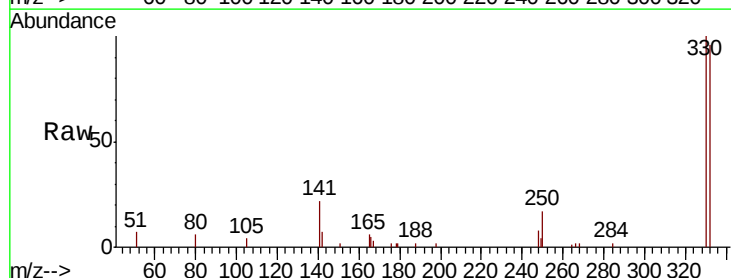


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

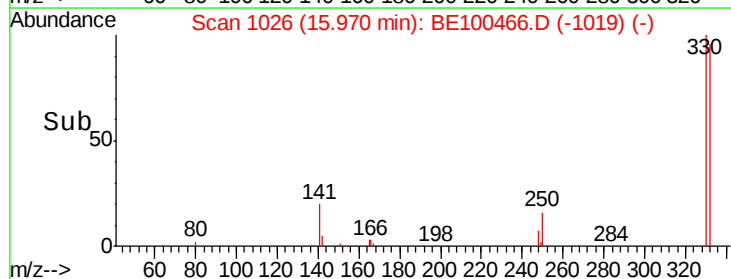
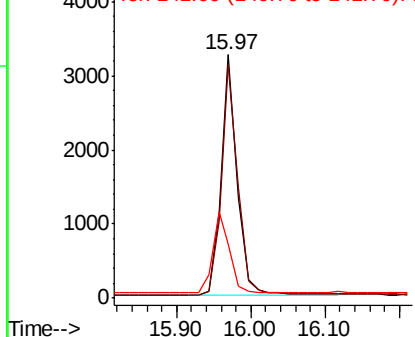


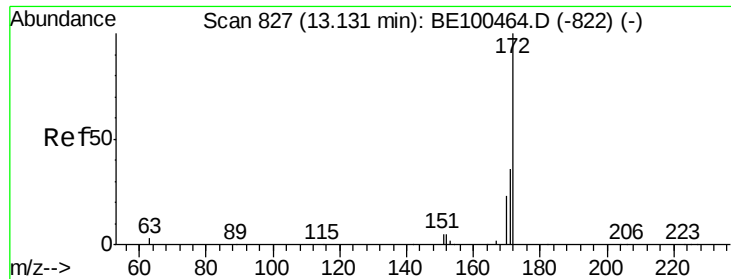
#14
2,4,6-Tribromophenol
Concen: 3.233 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Tgt Ion:330 Resp: 4920
Ion Ratio Lower Upper
330 100
332 98.1 76.3 114.5
141 35.5 29.4 44.2



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

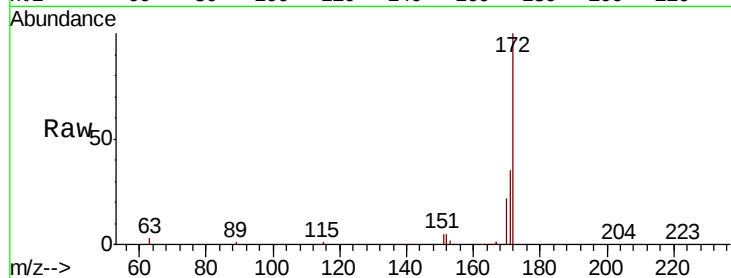




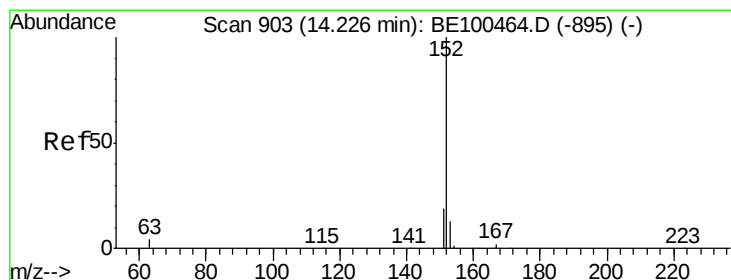
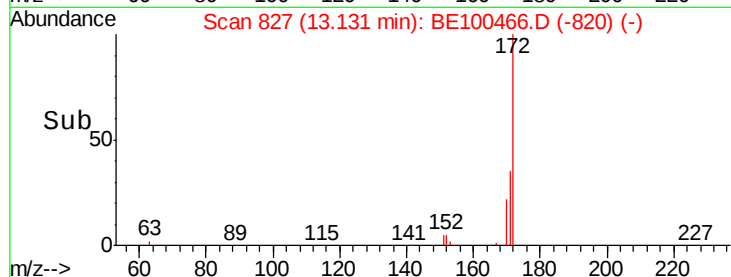
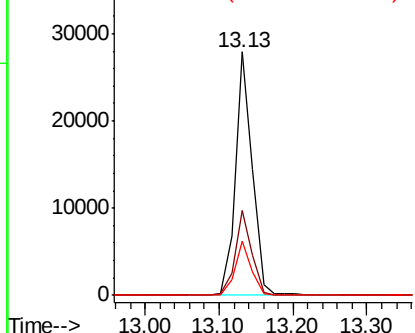
#15
2-Fluorobiphenyl
Concen: 1.455 ng
RT: 13.13 min Scan# 827
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 43919
Ion Ratio Lower Upper
172 100
171 34.8 29.2 43.8
170 22.0 18.8 28.2

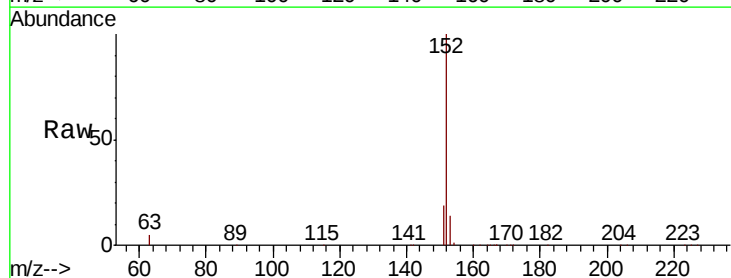


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

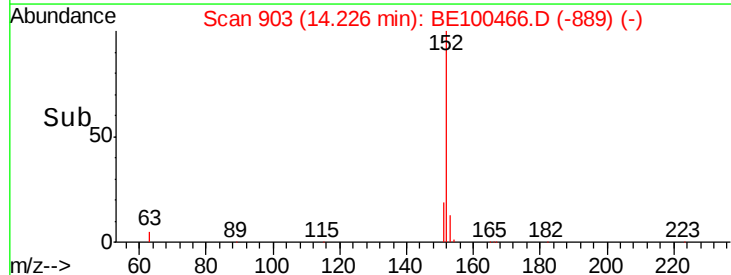
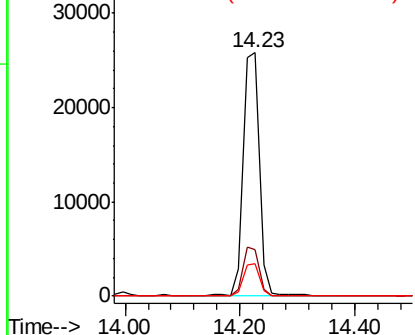


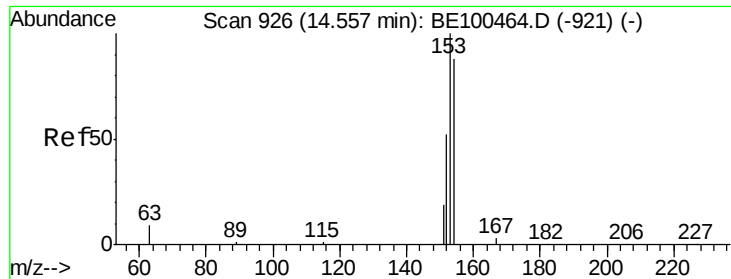
#16
Acenaphthylene
Concen: 1.849 ng
RT: 14.23 min Scan# 903
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Tgt Ion:152 Resp: 50380
Ion Ratio Lower Upper
152 100
151 19.8 15.5 23.3
153 13.3 10.6 15.8



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

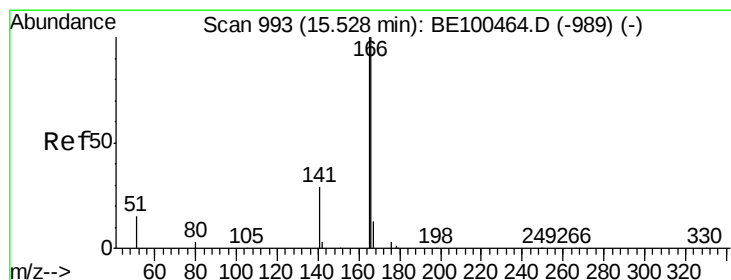
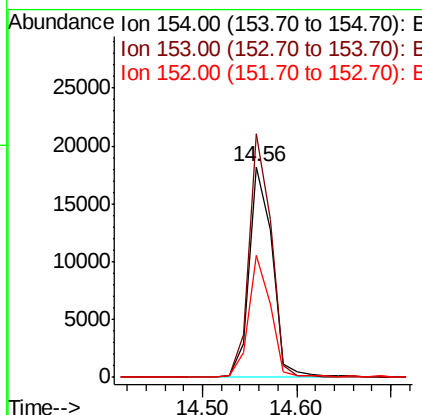
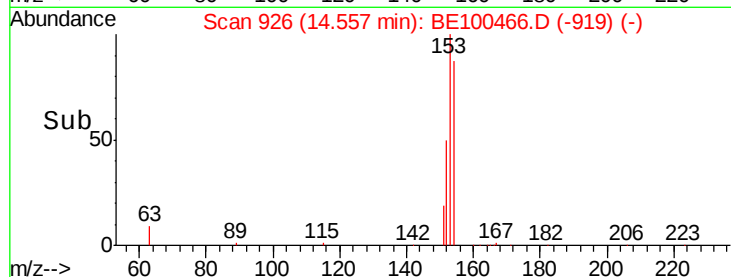
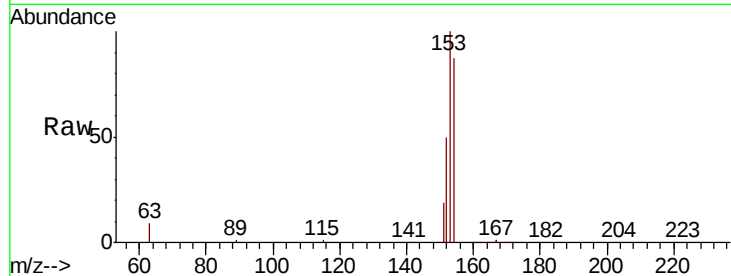




#17
Acenaphthene
Concen: 1.649 ng
RT: 14.56 min Scan# 926
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

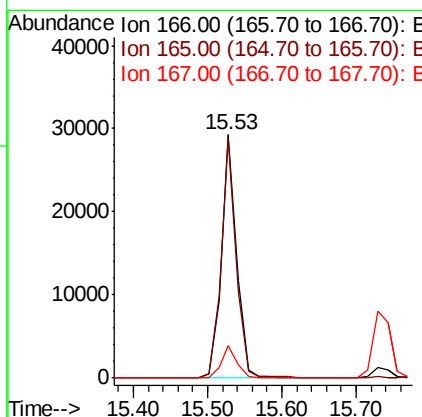
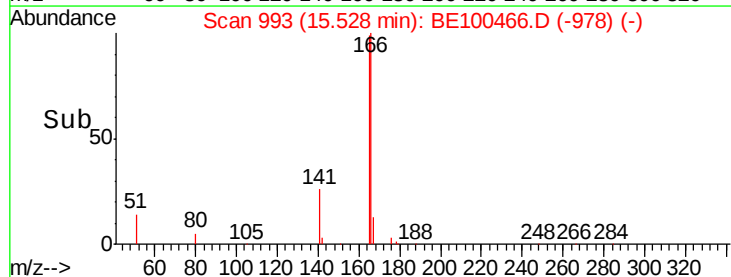
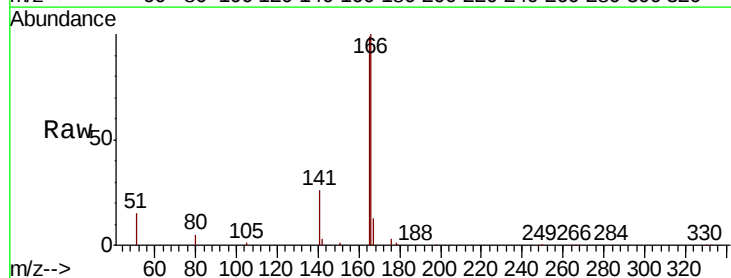
Instrument :
BNA_E
ClientSampleId :

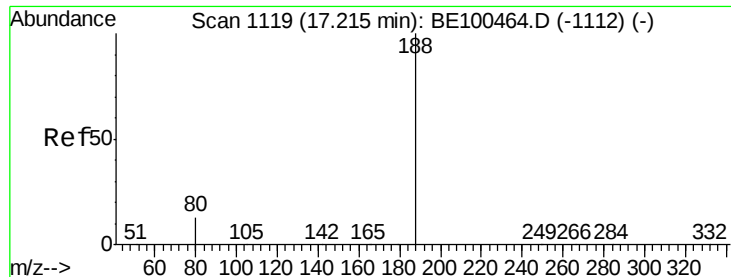
Tot Ion:154 Resp: 30871
Ion Ratio Lower Upper
154 100
153 110.4 89.4 134.2
152 54.3 44.4 66.6



#18
Fluorene
Concen: 1.726 ng
RT: 15.53 min Scan# 993
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Tgt Ion:166 Resp: 41677
Ion Ratio Lower Upper
166 100
165 97.9 79.8 119.8
167 13.2 10.4 15.6





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.21 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

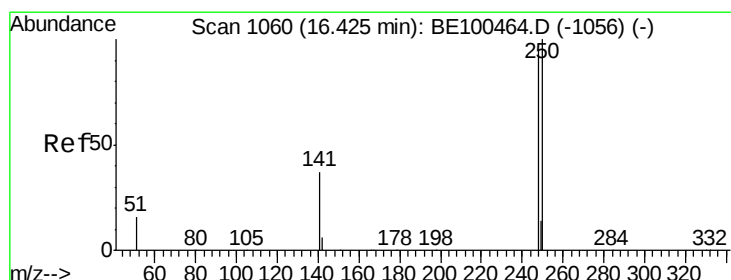
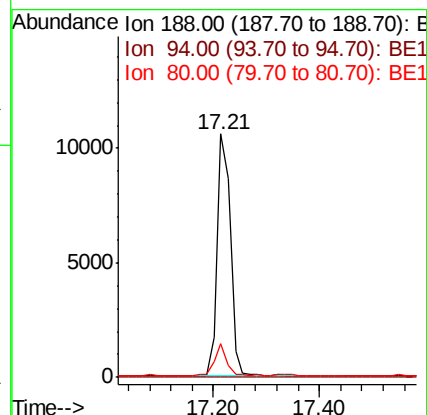
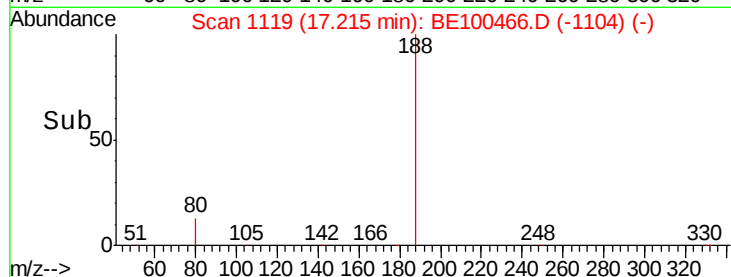
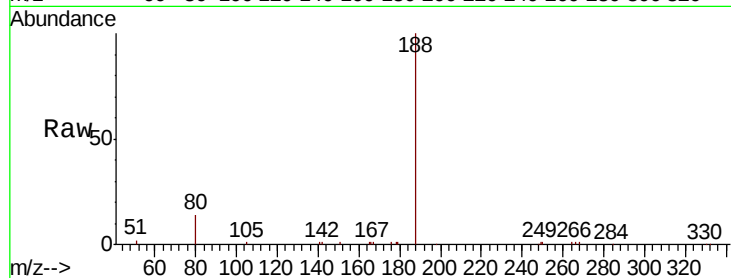
Tot Ion:188 Resp: 18105

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.9 10.7 16.1



#20

4-Bromophenyl-phenylether

Concen: 1.488 ng

RT: 16.43 min Scan# 1060

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

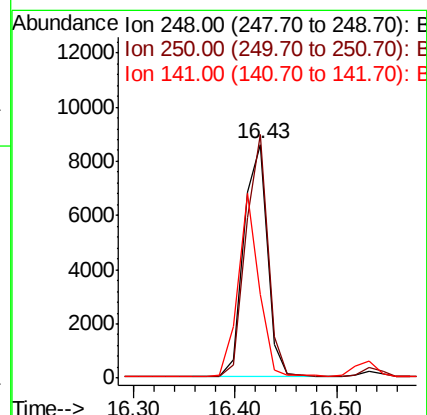
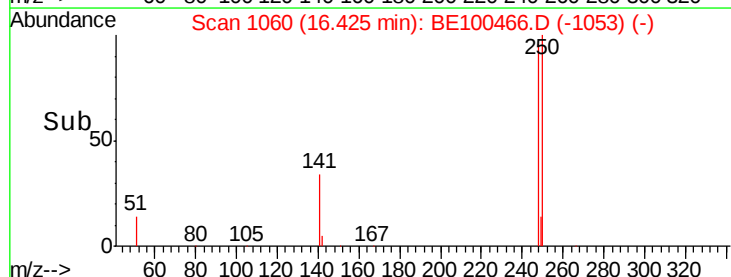
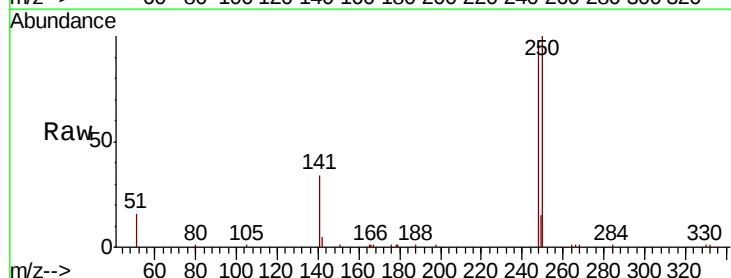
Tgt Ion:248 Resp: 14056

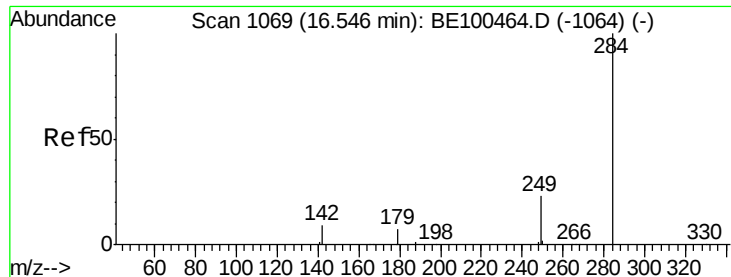
Ion Ratio Lower Upper

248 100

250 104.2 83.9 125.9

141 35.9 33.7 50.5





#21

Hexachlorobenzene

Concen: 1.310 ng

RT: 16.53 min Scan# 1068

Delta R.T. -0.01 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

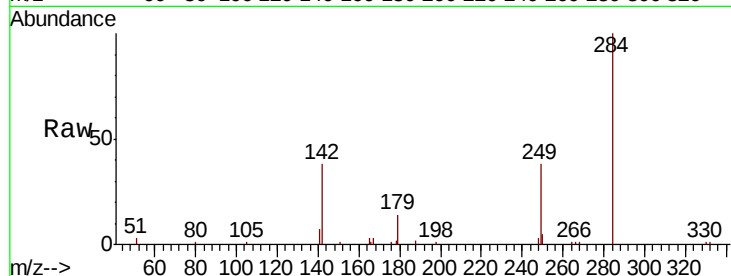
Tot Ion:284 Resp: 14470

Ion Ratio Lower Upper

284 100

142 32.8 27.4 41.2

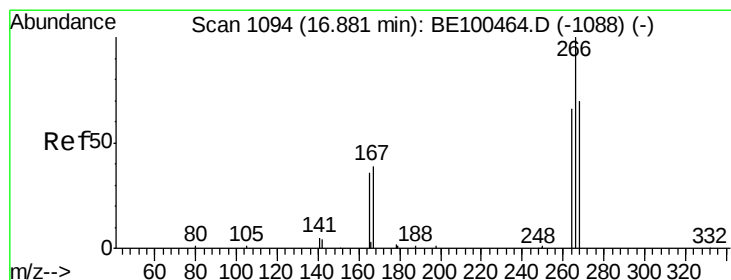
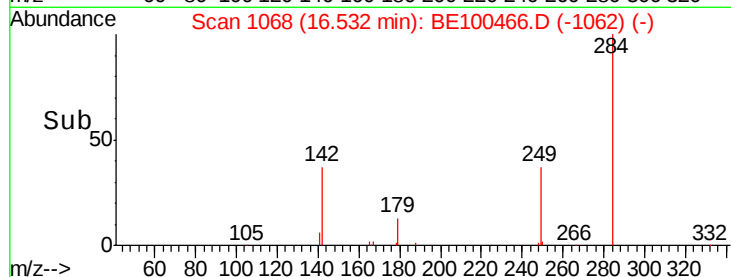
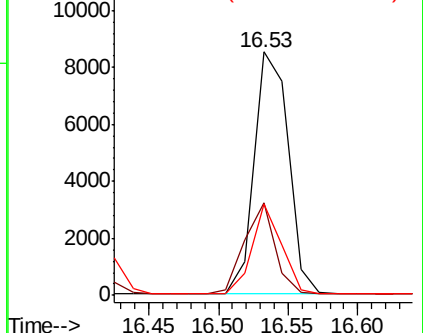
249 31.9 25.1 37.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 3.171 ng

RT: 16.88 min Scan# 1094

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

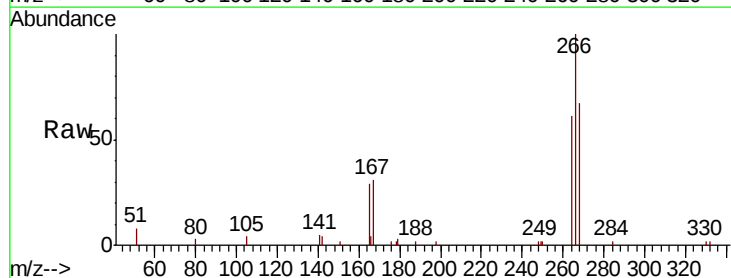
Tgt Ion:266 Resp: 6113

Ion Ratio Lower Upper

266 100

264 61.3 55.5 83.3

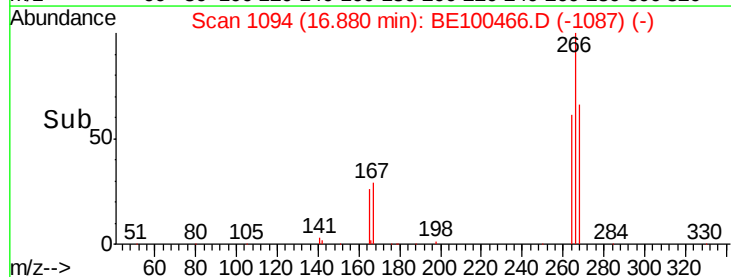
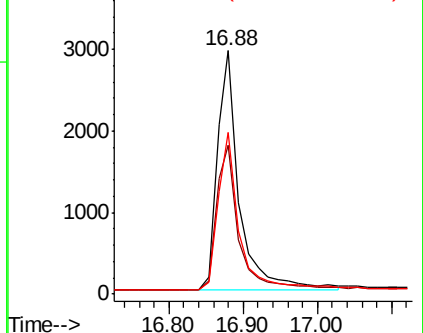
268 66.6 59.2 88.8

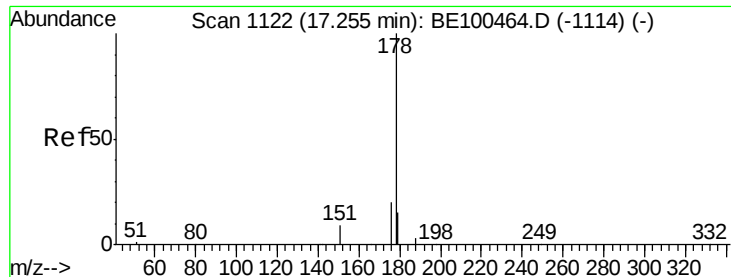


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 1.550 ng

RT: 17.25 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

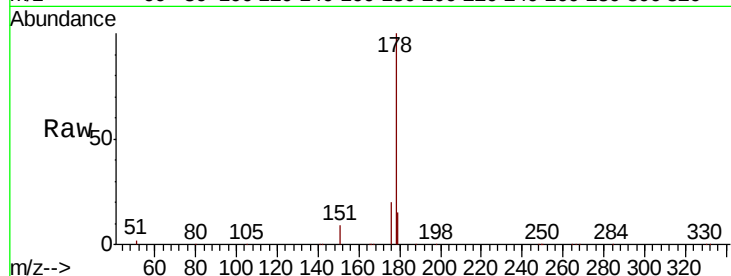
Tot Ion:178 Resp: 74783

Ion Ratio Lower Upper

178 100

176 19.2 15.5 23.3

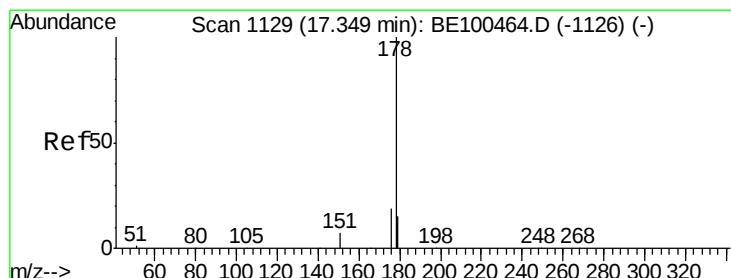
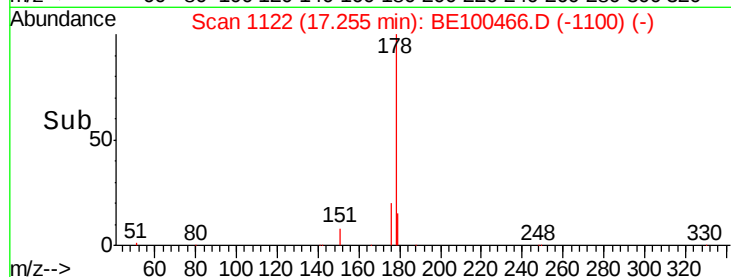
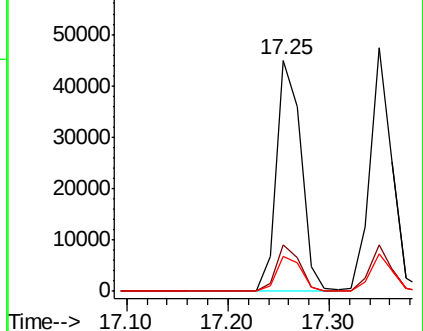
179 15.3 12.5 18.7



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



#24

Anthracene

Concen: 1.776 ng

RT: 17.35 min Scan# 1129

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

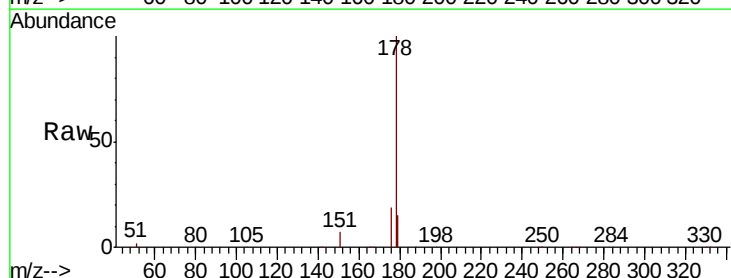
Tgt Ion:178 Resp: 70709

Ion Ratio Lower Upper

178 100

176 18.5 15.0 22.6

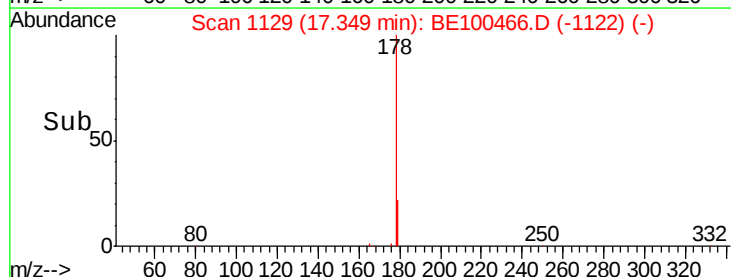
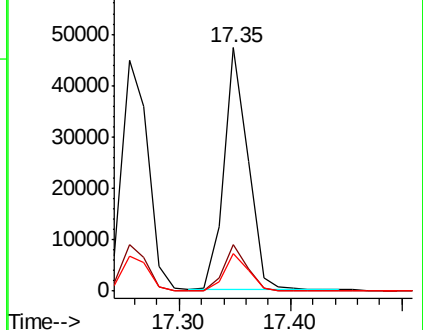
179 15.3 12.2 18.2

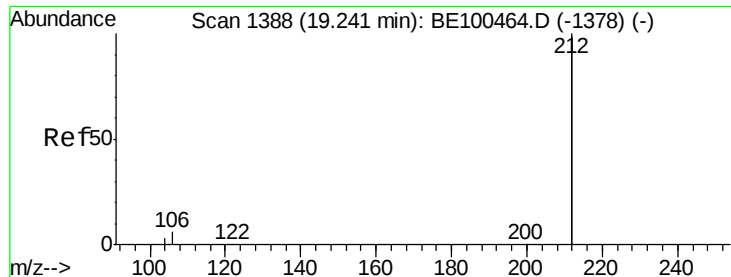


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

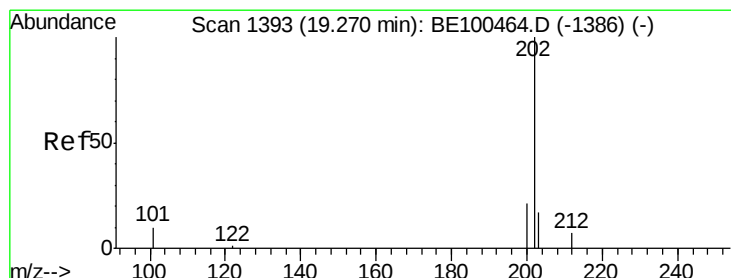
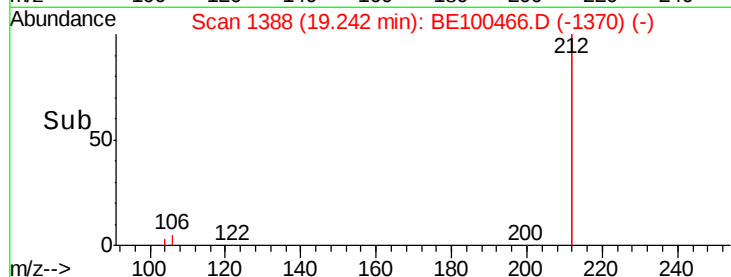
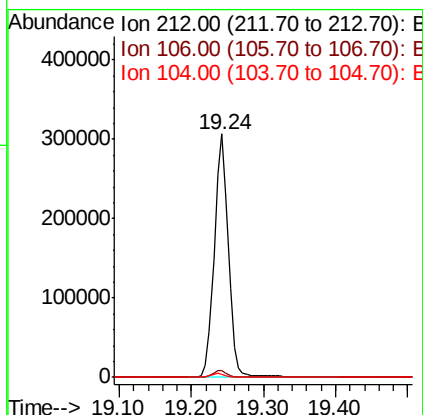
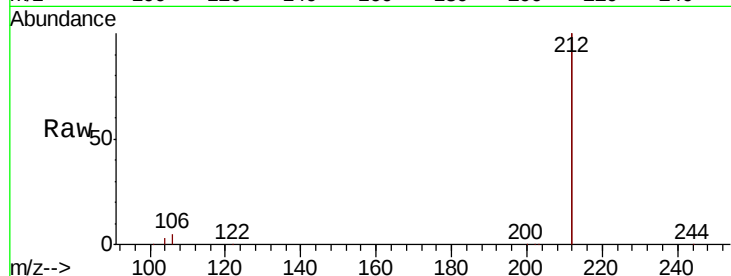




#25
 Fluoranthene-d10
 Concen: 1.927 ng
 RT: 19.24 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

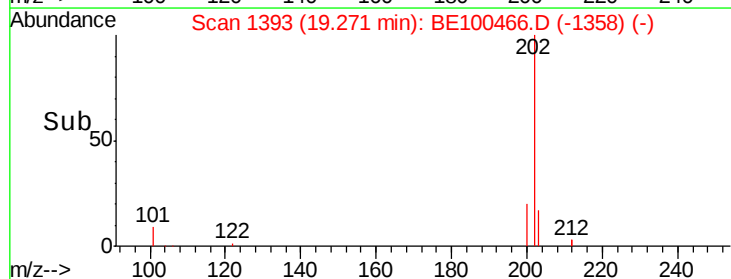
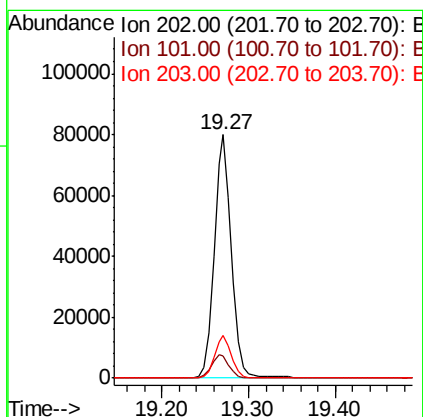
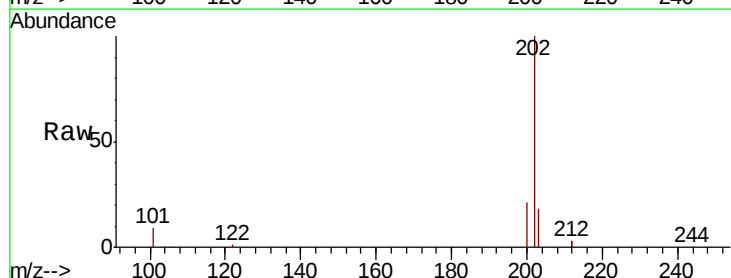
Instrument :
 BNA_E
 ClientSampleId :

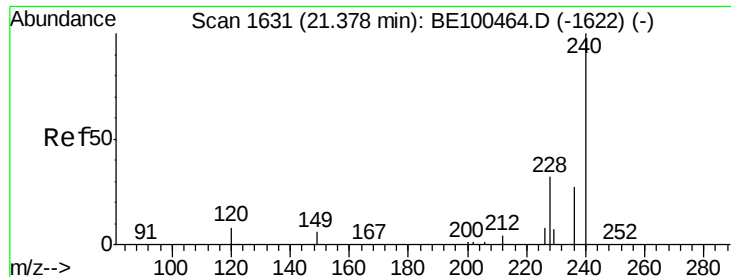
Tot Ion:212 Resp: 415669
 Ion Ratio Lower Upper
 212 100
 106 2.8 2.2 3.2
 104 1.5 1.2 1.8



#26
 Fluoranthene
 Concen: 1.793 ng
 RT: 19.27 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

Tgt Ion:202 Resp: 109902
 Ion Ratio Lower Upper
 202 100
 101 10.2 8.3 12.5
 203 17.4 13.6 20.4

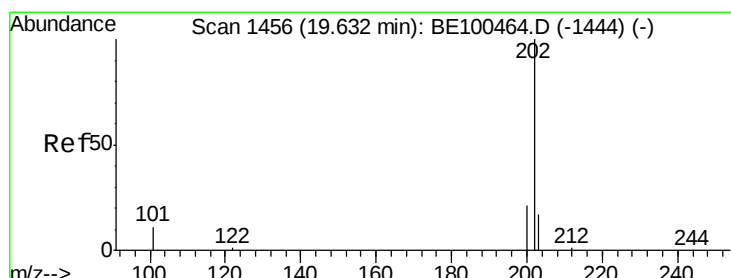
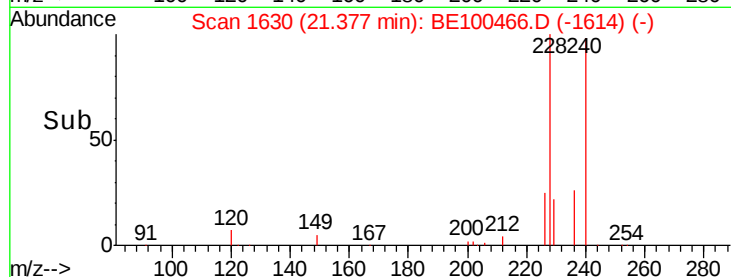
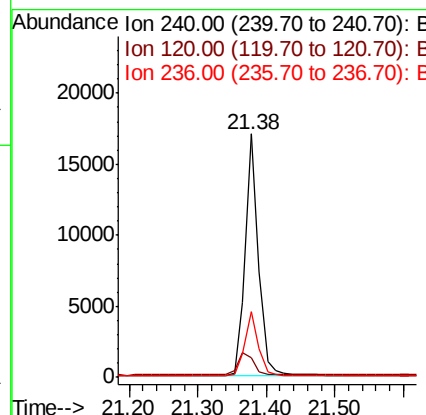
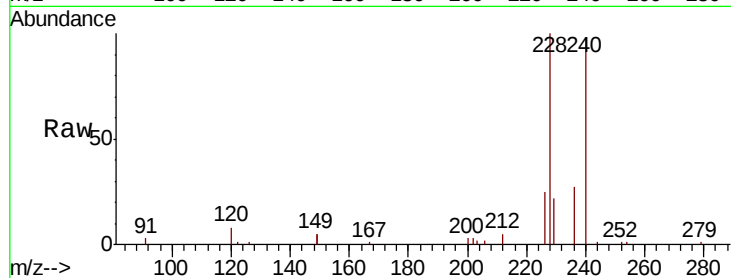




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

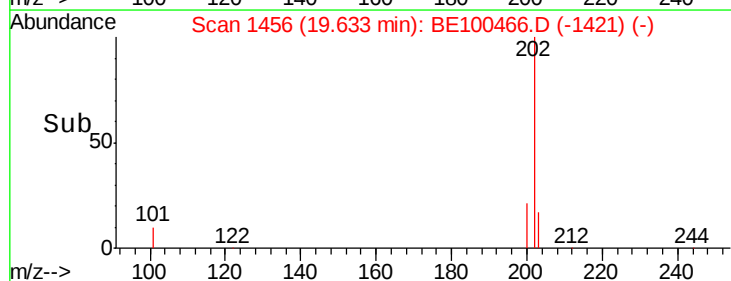
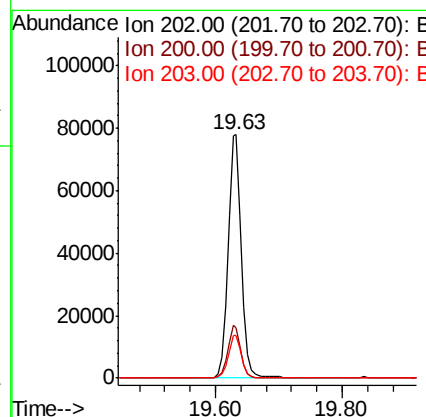
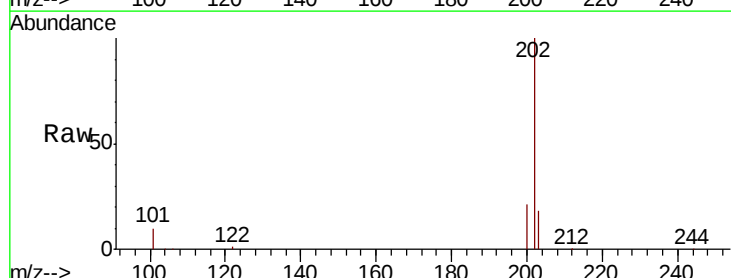
Instrument :
BNA_E
ClientSampleId :

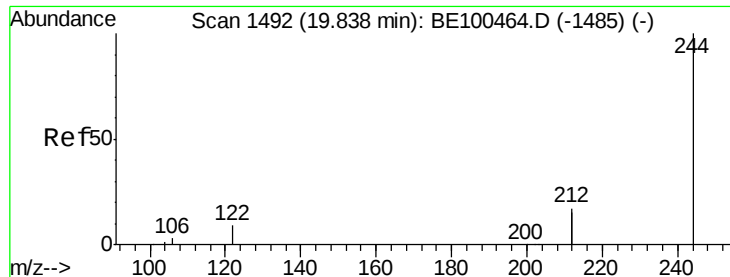
Tot Ion:240 Resp: 23383
Ion Ratio Lower Upper
240 100
120 8.1 7.1 10.7
236 27.2 21.7 32.5



#28
Pyrene
Concen: 1.662 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Tgt Ion:202 Resp: 113666
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.5 13.8 20.8

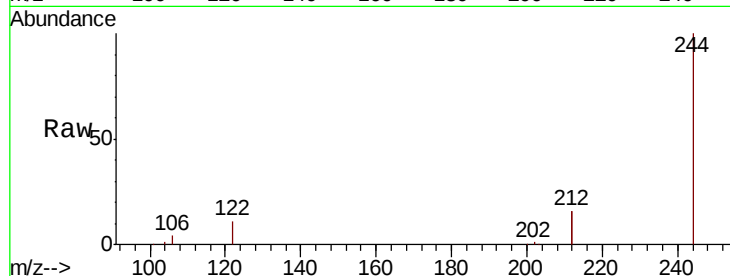




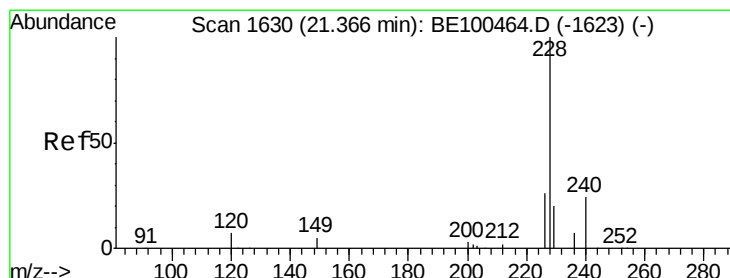
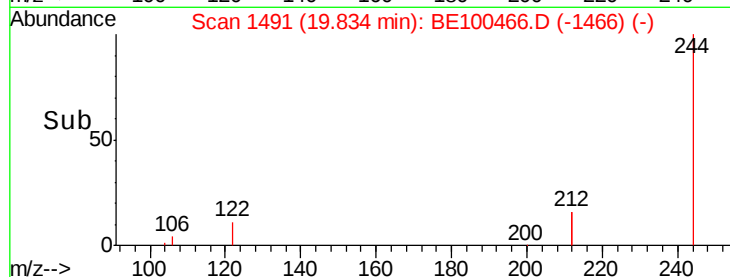
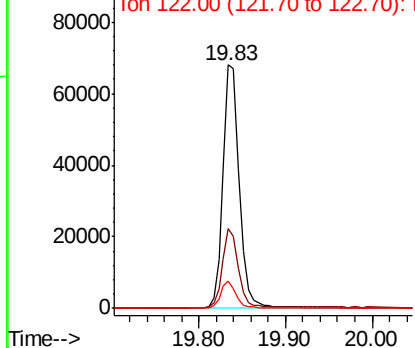
#29
 Terphenyl-d14
 Concen: 1.557 ng
 RT: 19.83 min Scan# 1491
 Delta R.T. -0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

Instrument :
 BNA_E
 ClientSampled :

Tot Ion:244 Resp: 89202
 Ion Ratio Lower Upper
 244 100
 212 32.6 26.6 40.0
 122 11.4 7.6 11.4#

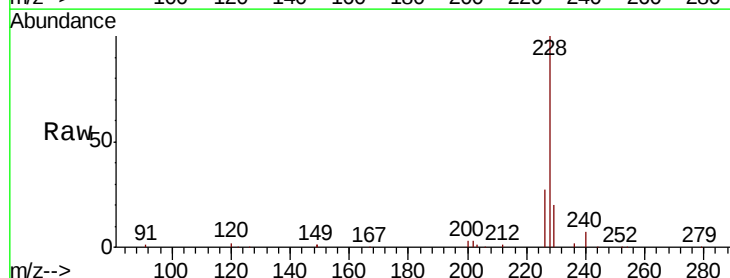


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

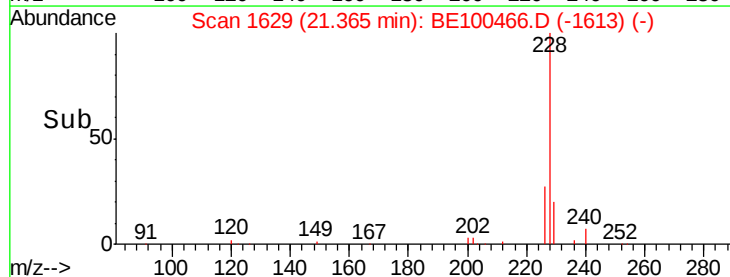
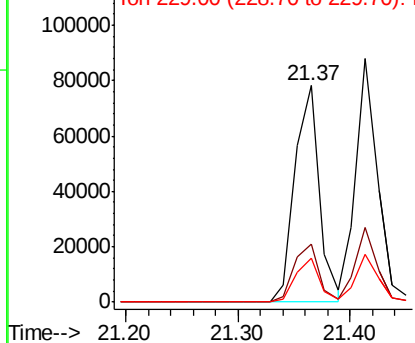


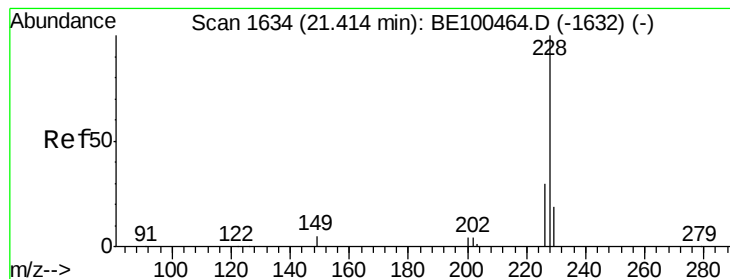
#30
 Benzo(a)anthracene
 Concen: 1.856 ng
 RT: 21.37 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

Tgt Ion:228 Resp: 117761
 Ion Ratio Lower Upper
 228 100
 226 26.8 21.3 31.9
 229 20.4 16.6 25.0



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





#31

Chrysene

Concen: 1.563 ng

RT: 21.41 min Scan# 1633

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

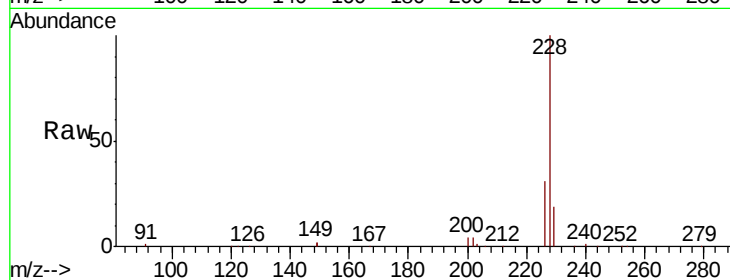
Instrument :

BNA_E

ClientSampleId :

Tot Ion:228 Resp: 117782

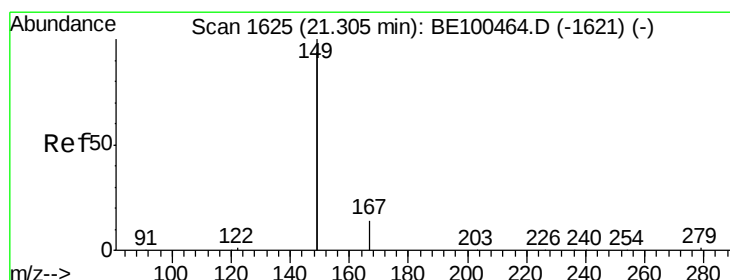
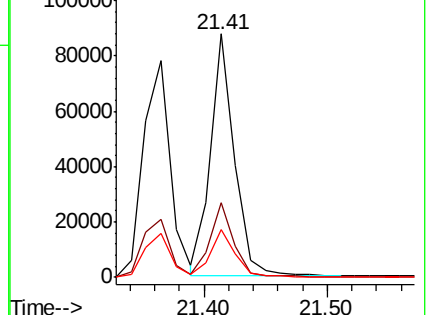
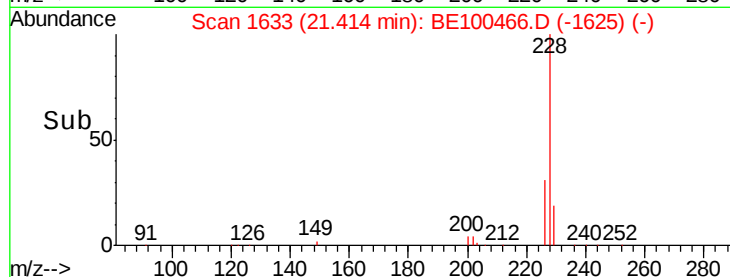
Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.5	36.7
229	19.4	16.0	24.0



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: 5.586 ng

RT: 21.30 min Scan# 1624

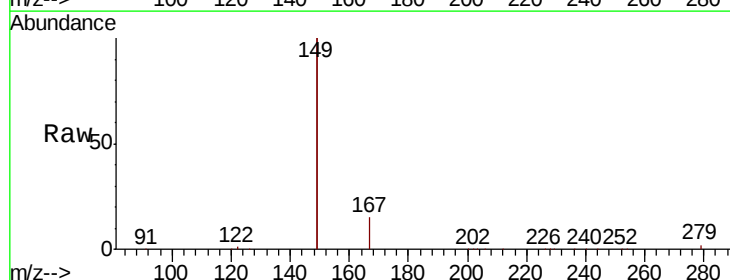
Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Tgt Ion:149 Resp: 254241

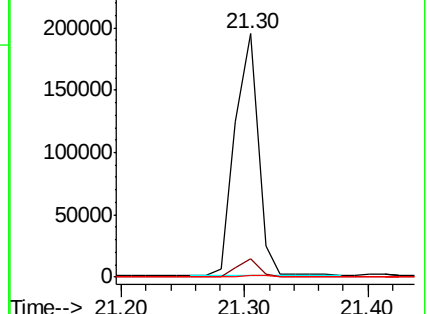
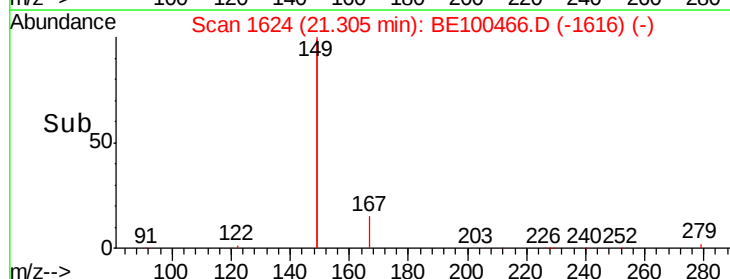
Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.8	8.6
279	1.0	0.8	1.2

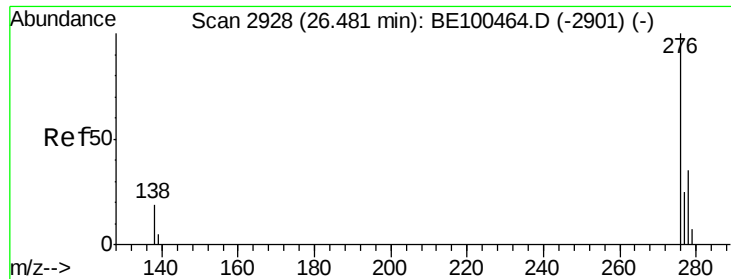


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

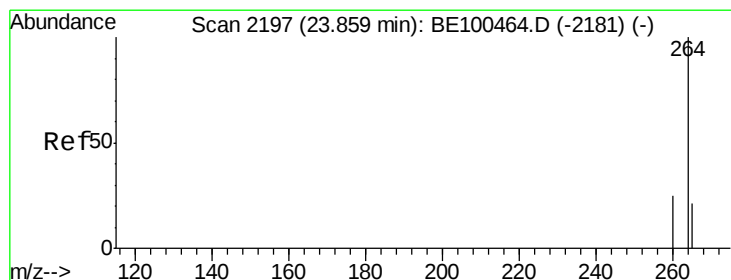
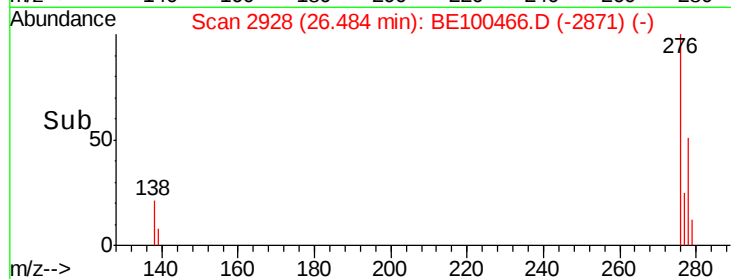
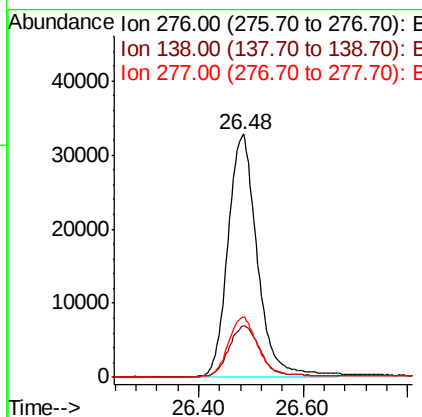
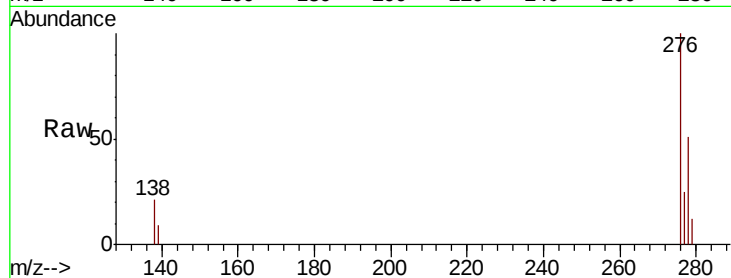




#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.903 ng
 RT: 26.48 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

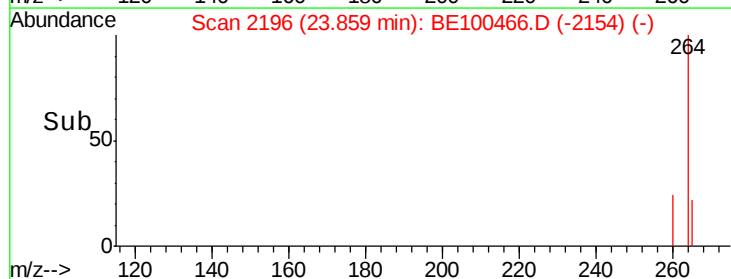
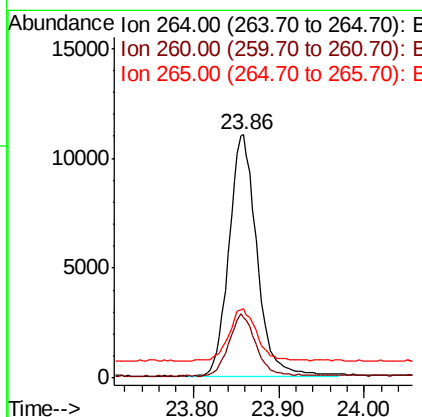
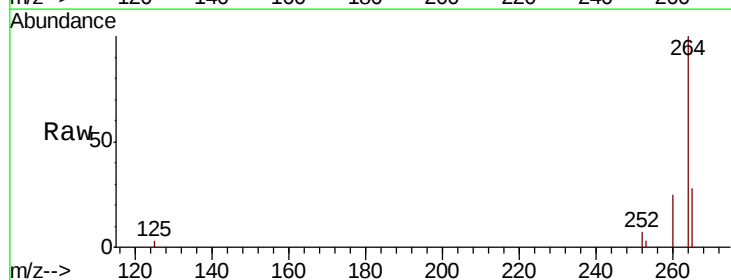
Instrument :
 BNA_E
 ClientSampleId :

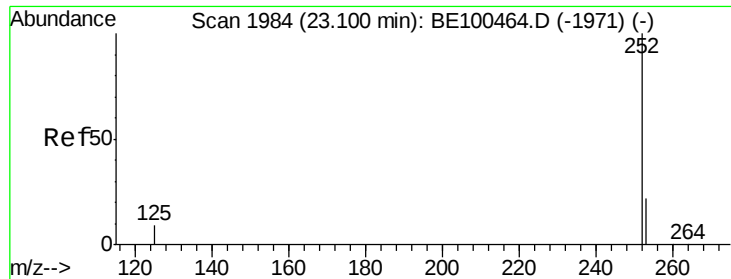
Tot Ion:276 Resp: 127489
 Ion Ratio Lower Upper
 276 100
 138 22.2 17.4 26.0
 277 24.5 19.4 29.0



#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.86 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: BE100466.D
 Acq: 19 Jul 2019 11:50

Tgt Ion:264 Resp: 24823
 Ion Ratio Lower Upper
 264 100
 260 25.0 20.7 31.1
 265 28.4 23.4 35.0





#35

Benzo(b)fluoranthene

Concen: 1.494 ng

RT: 23.10 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

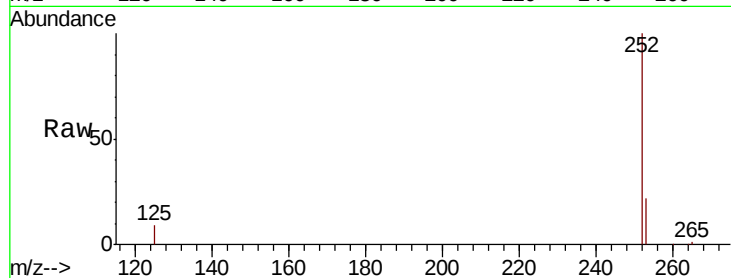
Tot Ion:252 Resp: 113314

Ion Ratio Lower Upper

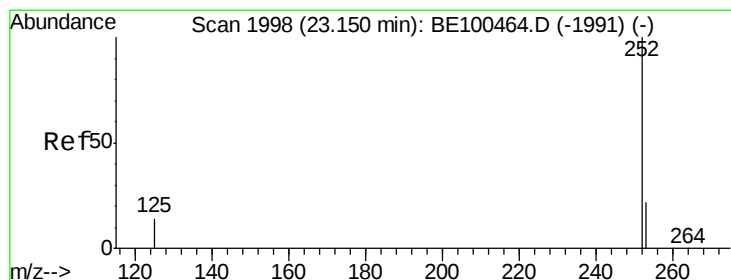
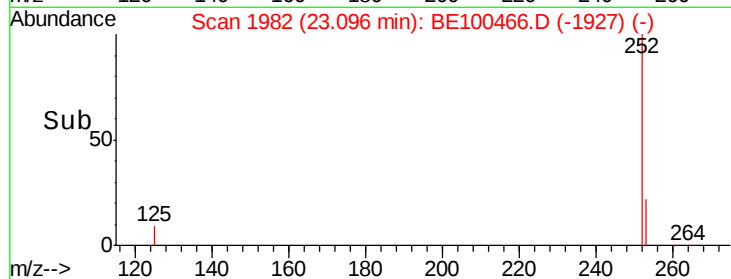
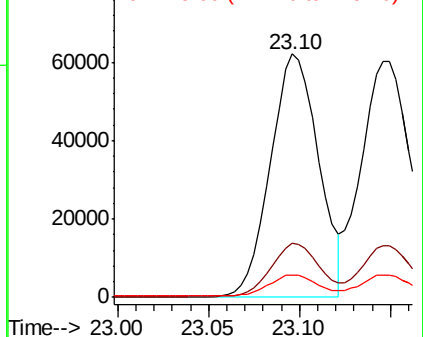
252 100

253 22.3 18.5 27.7

125 9.3 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 1.510 ng

RT: 23.15 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

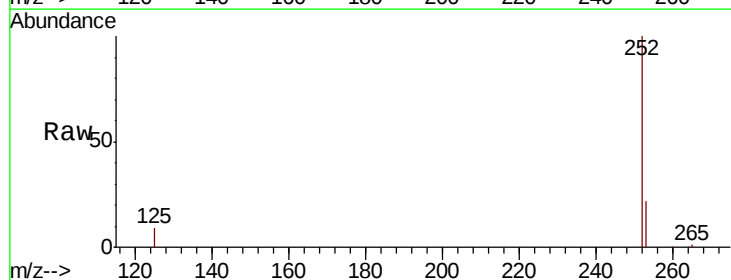
Tgt Ion:252 Resp: 121223

Ion Ratio Lower Upper

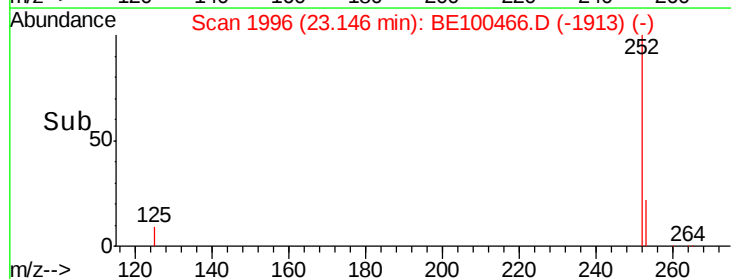
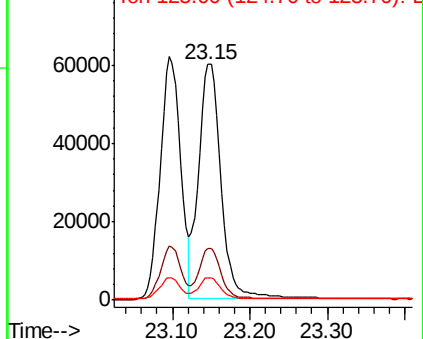
252 100

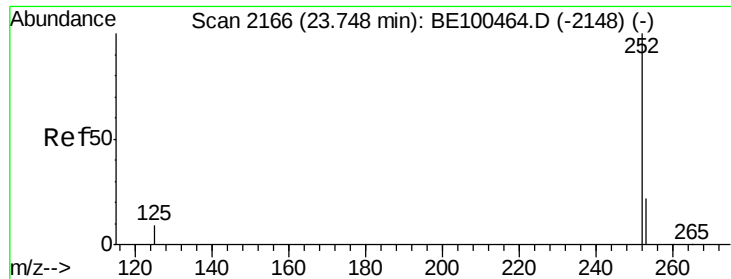
253 21.9 19.0 28.4

125 9.5 11.8 17.8#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

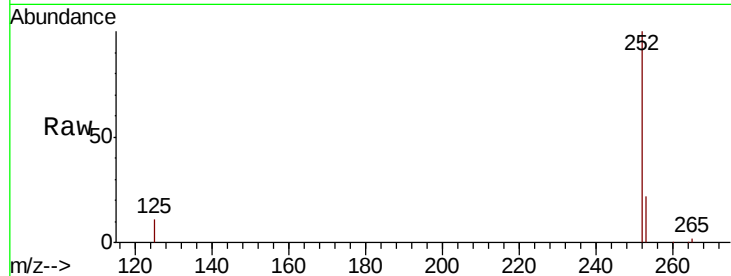




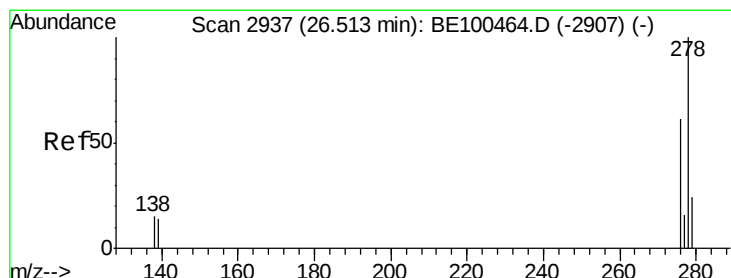
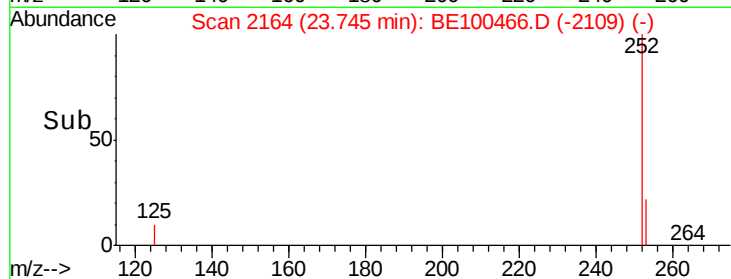
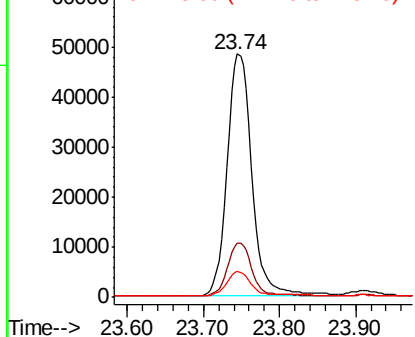
#37
Benzo(a)pyrene
Concen: 1.762 ng
RT: 23.74 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 109878
Ion Ratio Lower Upper
252 100
253 22.2 19.1 28.7
125 10.6 10.0 15.0

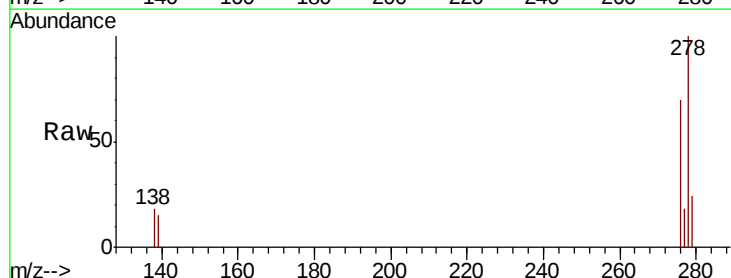


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

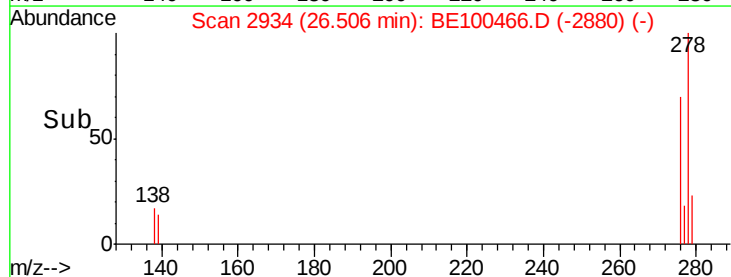
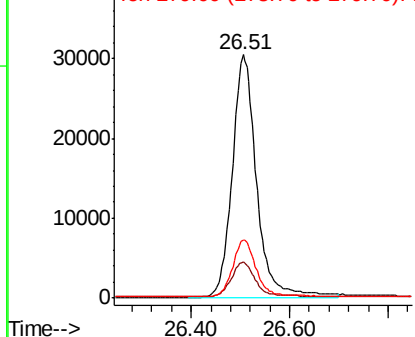


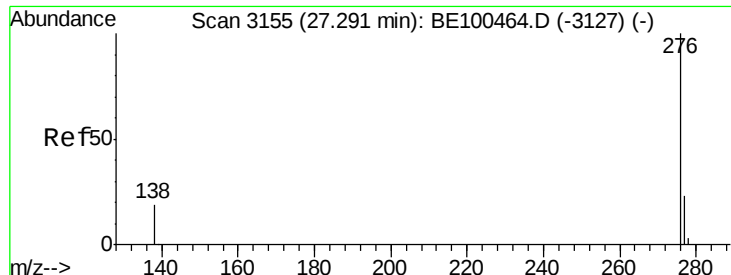
#38
Dibenzo(a,h)anthracene
Concen: 1.568 ng
RT: 26.51 min Scan# 2934
Delta R.T. -0.01 min
Lab File: BE100466.D
Acq: 19 Jul 2019 11:50

Tgt Ion:278 Resp: 104247
Ion Ratio Lower Upper
278 100
139 14.9 13.0 19.6
279 23.7 20.4 30.6



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(a,h,i)perylene

Concen: 1.517 ng

RT: 27.28 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BE100466.D

Acq: 19 Jul 2019 11:50

Instrument :

BNA_E

ClientSampleId :

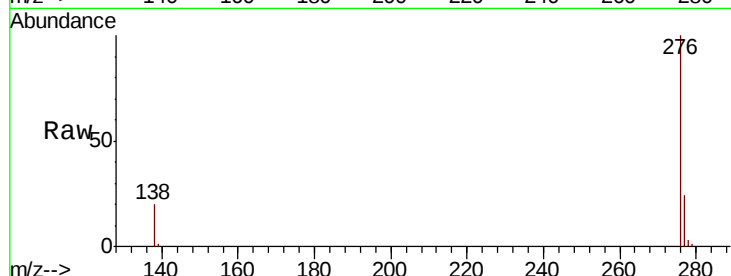
Tot Ion: 276 Resp: 105512

Ion Ratio Lower Upper

276 100

277 24.3 19.9 29.9

138 20.3 16.7 25.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

