

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070119\
 Data File : BE100279.D
 Acq On : 2 Jul 2019 00:32
 Operator : JU/SJ
 Sample : K3445-18
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

Quant Time: Jul 02 02:23:34 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jun 28 14:06:53 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	790	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2891	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2212	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6401	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8446	0.40	ng	0.00
34) Perylene-d12	23.67	264	9670	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.21	112	719	0.36	ng	0.00
5) Phenol-d6	6.83	99	988	0.37	ng	-0.01
8) Nitrobenzene-d5	8.81	82	1015	0.35	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	1894	0.35	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	555	0.36	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	3058	0.35	ng	0.00
25) Fluoranthene-d10	19.09	212	31044	0.33	ng	0.00
29) Terphenyl-d14	19.70	244	7257	0.41	ng	0.00

Target Compounds

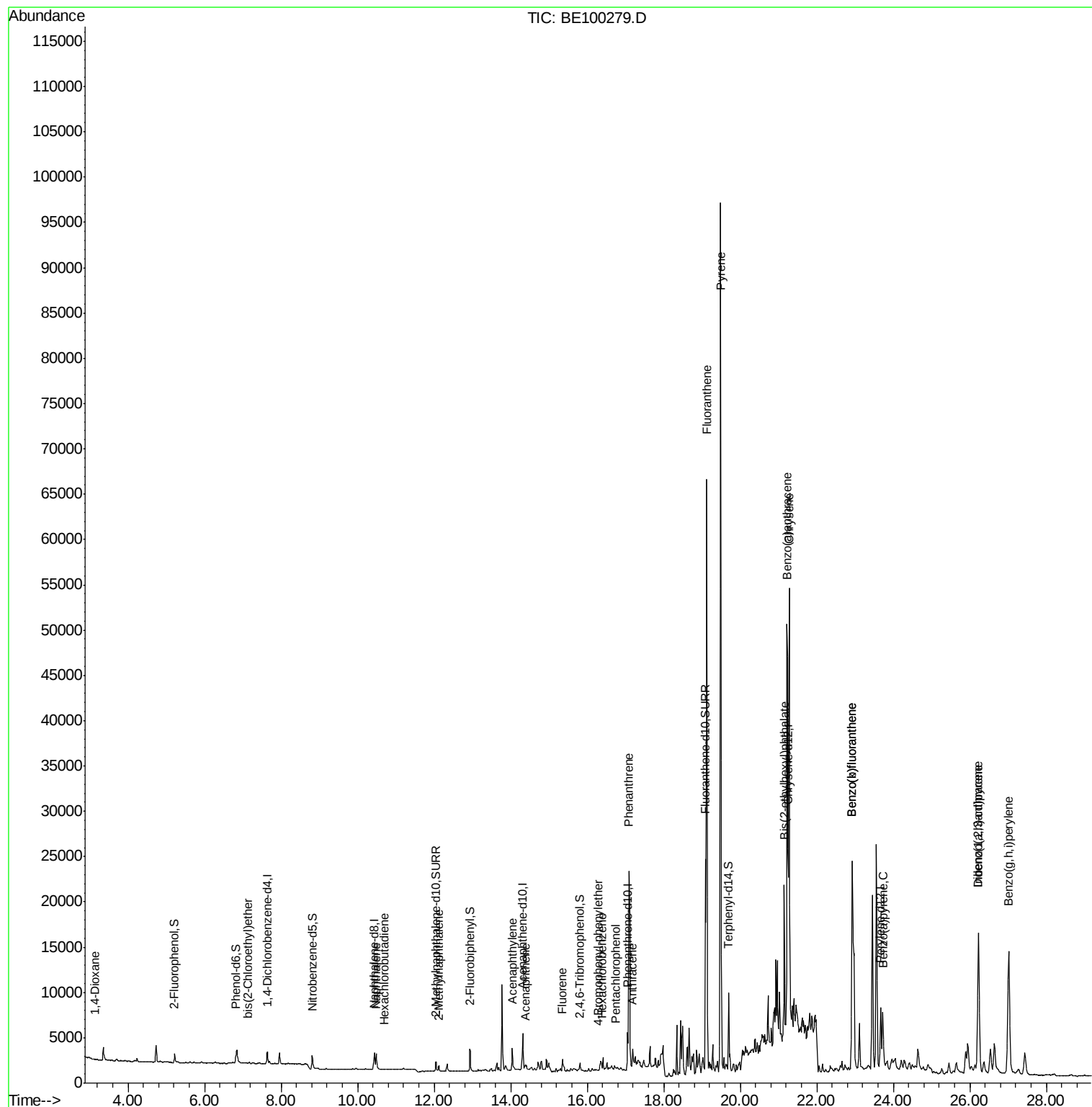
						Qvalue
2) 1,4-Dioxane	3.12	88	8	0.007	ng	# 32
6) bis(2-Chloroethyl)ether	7.14	93	6	0.003	ng	# 1
9) Naphthalene	10.48	128	3070	0.096	ng	# 96
10) Hexachlorobutadiene	10.69	225	3	0.001	ng	# 6
12) 2-Methylnaphthalene	12.12	142	587	0.105	ng	97
16) Acenaphthylene	14.04	152	3795	0.358	ng	98
17) Acenaphthene	14.38	154	316	0.053	ng	# 84
18) Fluorene	15.35	166	1317	0.148	ng	# 88
20) 4-Bromophenyl-phenylether	16.28	248	9	0.002	ng	# 50
21) Hexachlorobenzene	16.37	284	6	0.001	ng	# 1
22) Pentachlorophenol	16.73	266	51	0.040	ng	# 86
23) Phenanthrene	17.09	178	25545	1.647	ng	99
24) Anthracene	17.19	178	3695	0.264	ng	# 85
26) Fluoranthene	19.13	202	61020	2.469	ng	99
28) Pyrene	19.49	202	92802	4.150	ng	98
30) Benzo(a)anthracene	21.22	228	42961	1.547	ng	97
31) Chrysene	21.28	228	47258	1.695	ng	97
32) Bis(2-ethylhexyl)phthalate	21.15	149	16464	0.362	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	29829	0.809	ng	98
35) Benzo(b)fluoranthene	22.92	252	47860	1.825	ng	98
36) Benzo(k)fluoranthene	22.92	252	47860	1.635	ng	97
37) Benzo(a)pyrene	23.72	252	7952	0.303	ng	96
38) Dibenzo(a,h)anthracene	26.23	278	7004	0.255	ng	# 85
39) Benzo(g,h,i)perylene	27.02	276	35614	1.263	ng	99

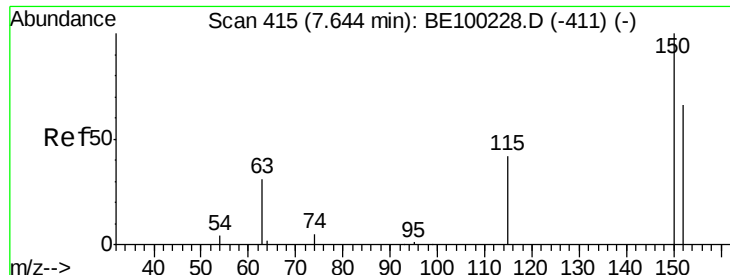
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.64 min Scan# 415

Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

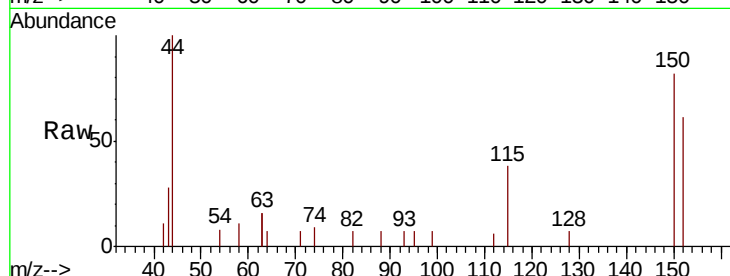
Tgt Ion: 152 Resp: 790

Ion Ratio Lower Upper

152 100

150 134.7 114.5 171.7

115 62.8 57.1 85.7



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

800

600

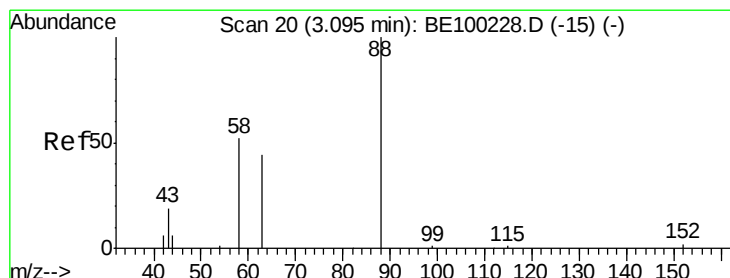
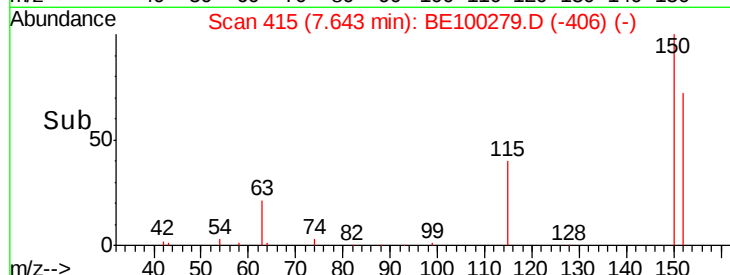
400

200

0

7.60 7.70

Time-->



#2

1,4-Dioxane

Concen: 0.007 ng

RT: 3.12 min Scan# 22

Delta R.T. 0.02 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

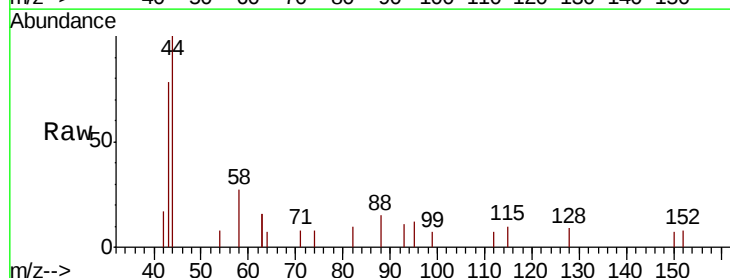
Tgt Ion: 88 Resp: 8

Ion Ratio Lower Upper

88 100

58 0.0 43.6 65.4#

43 0.0 21.4 32.0#



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

600

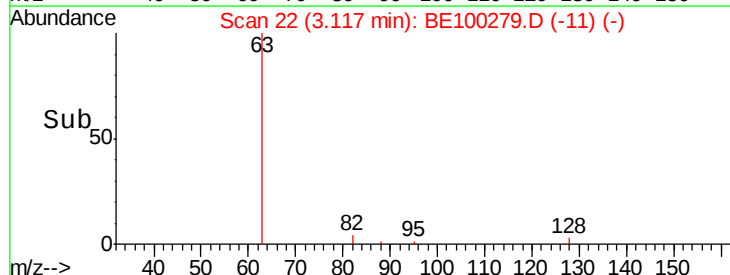
400

200

0

3.05 3.10 3.15

Time-->





#4

2-Fluorophenol

Concen: 0.357 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

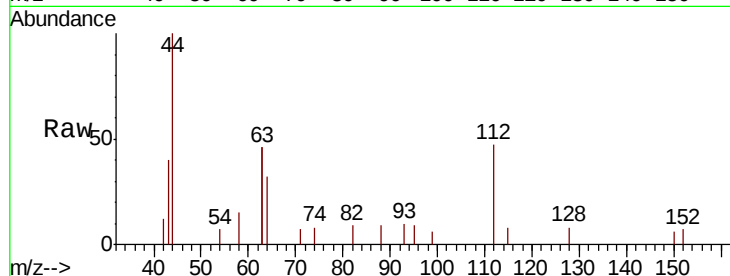
Tgt Ion: 112 Resp: 719

Ion Ratio Lower Upper

112 100

64 55.8 39.4 59.0

63 139.8 104.5 156.7



Abundance Ion 112.00 (111.70 to 112.70): BE1

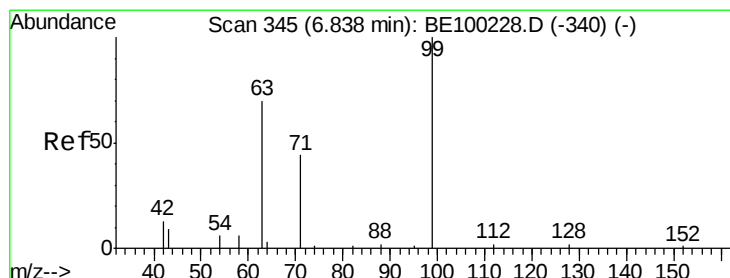
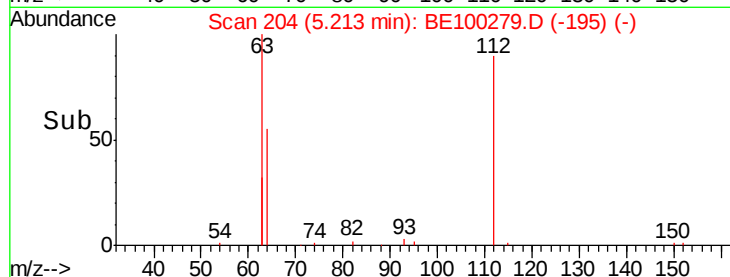
Ion 64.00 (63.70 to 64.70): BE1

Ion 63.00 (62.70 to 63.70): BE1

Time-->

5.10 5.20 5.30 5.40

5.21



#5

Phenol-d6

Concen: 0.373 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

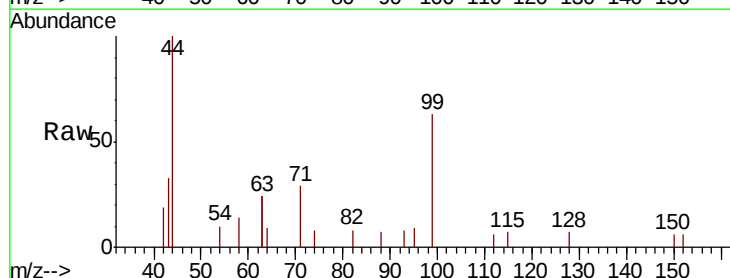
Tgt Ion: 99 Resp: 988

Ion Ratio Lower Upper

99 100

42 20.5 11.2 16.8#

71 43.5 37.2 55.8



Abundance Ion 99.00 (98.70 to 99.70): BE1

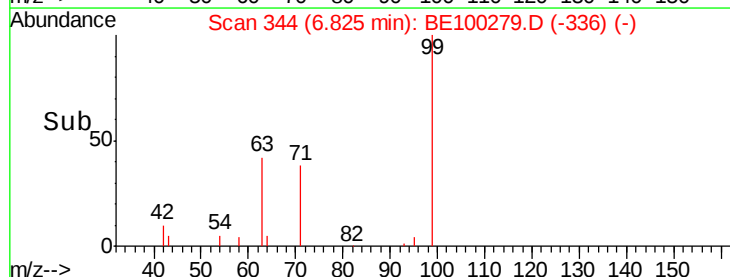
Ion 42.00 (41.70 to 42.70): BE1

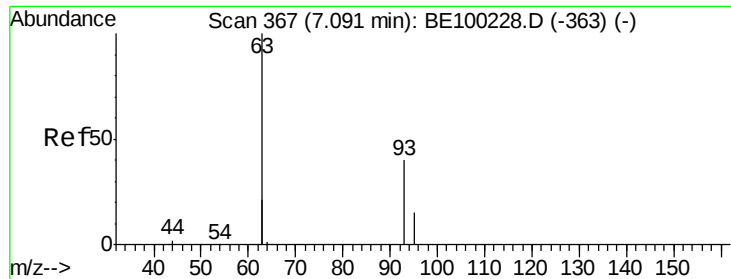
Ion 71.00 (70.70 to 71.70): BE1

Time-->

6.70 6.80 6.90 7.00

6.83





#6

bis(2-Chloroethyl)ether

Concen: 0.003 ng

RT: 7.14 min Scan# 371

Delta R.T. 0.05 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

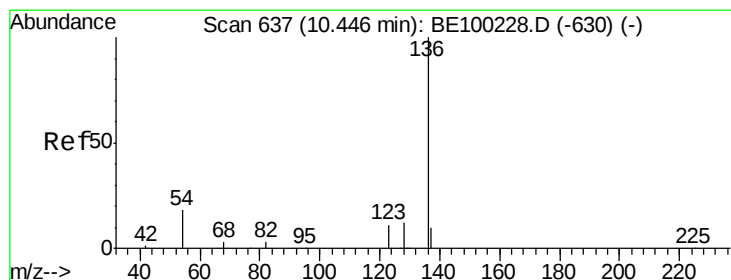
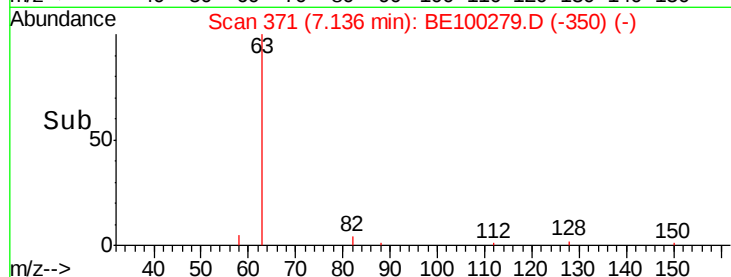
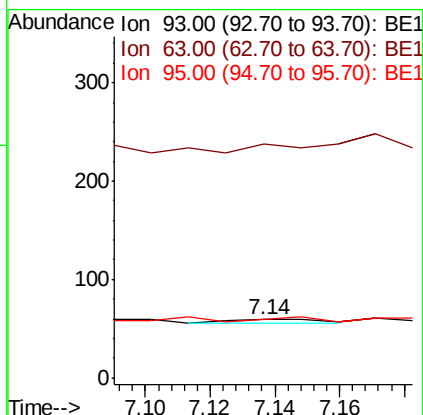
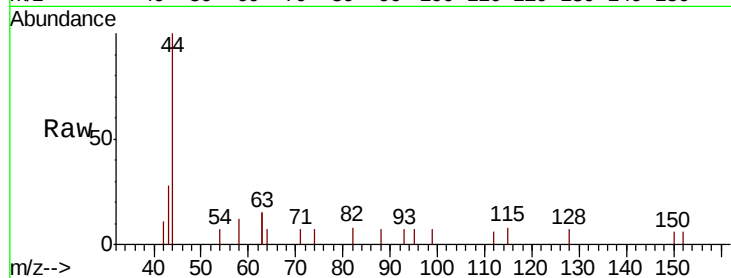
Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

Tgt Ion:	93	Resp:	6
Ion	Ratio	Lower	Upper
93	100		
63	0.0	155.6	233.4#
95	100.0	23.0	34.4#



#7

Naphthalene-d8

Concen: 0.400 ng

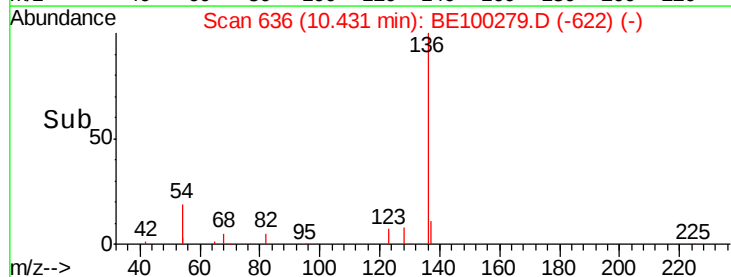
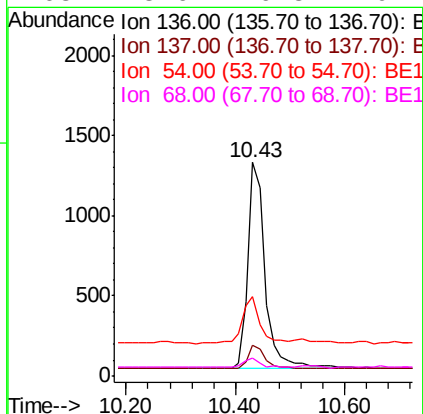
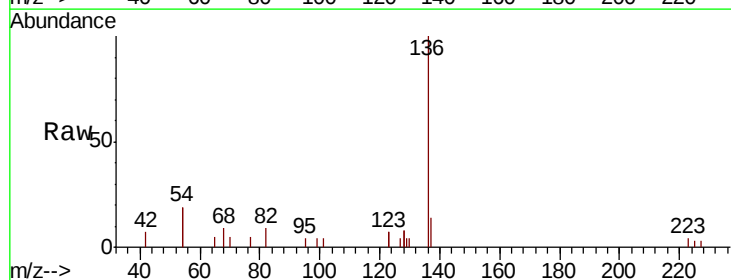
RT: 10.43 min Scan# 636

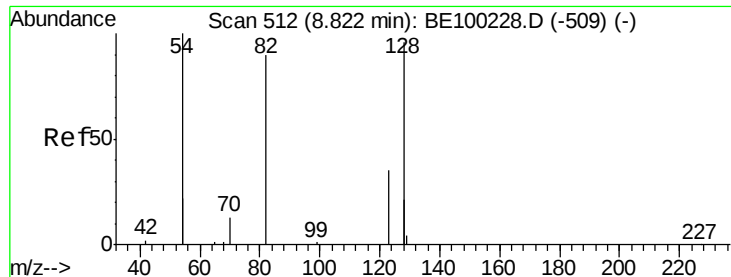
Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Tgt Ion:	136	Resp:	2891
Ion	Ratio	Lower	Upper
136	100		
137	14.2	11.8	17.8
54	37.2	27.7	41.5
68	8.6	6.8	10.2





#8

Nitrobenzene-d5

Concen: 0.353 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

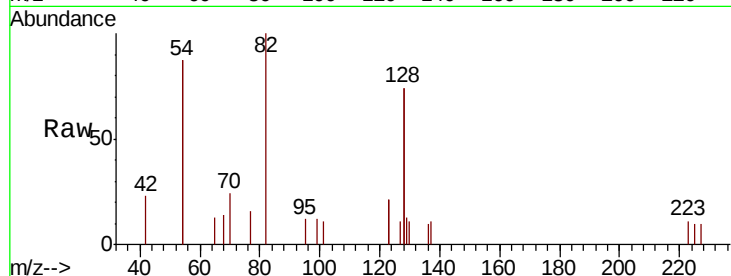
Tgt Ion: 82 Resp: 1015

Ion Ratio Lower Upper

82 100

128 147.1 140.9 211.3

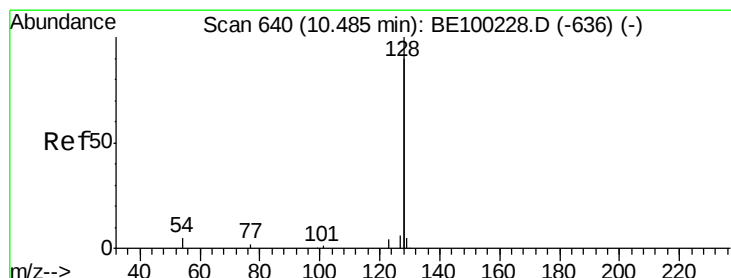
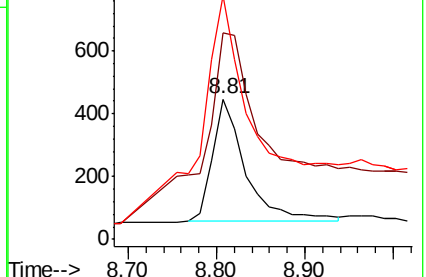
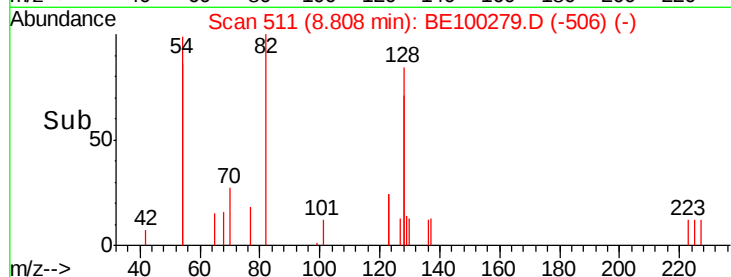
54 174.0 146.2 219.2



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: 0.096 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

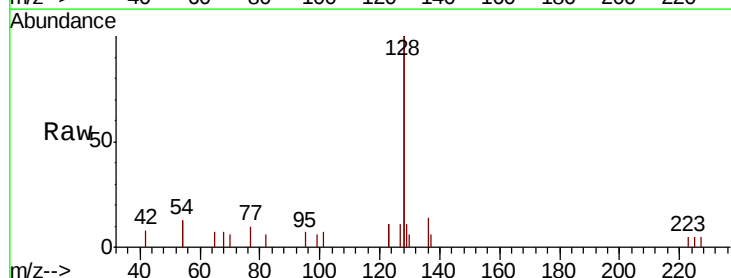
Tgt Ion: 128 Resp: 3070

Ion Ratio Lower Upper

128 100

129 5.6 3.0 4.6#

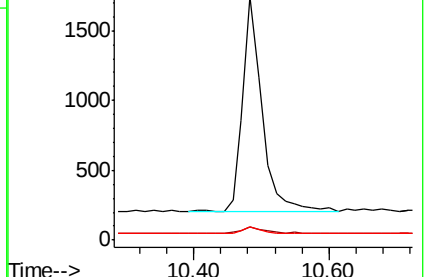
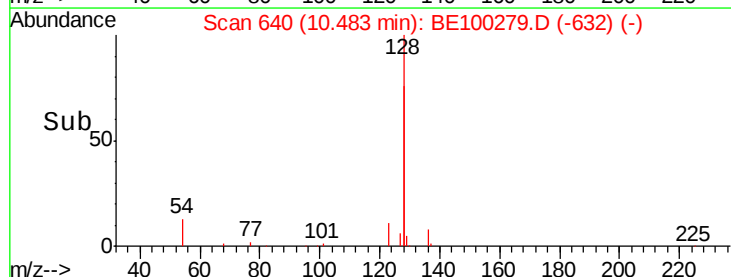
127 5.6 3.5 5.3#

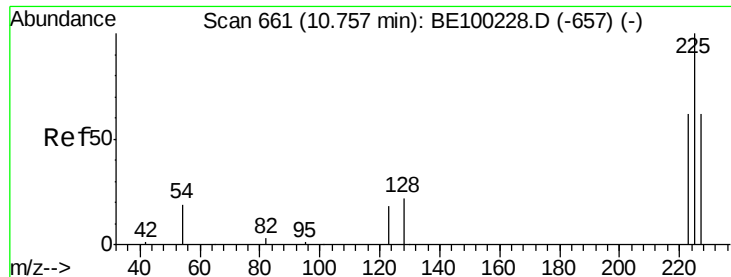


Abundance Ion 128.00 (127.70 to 128.70): BE1

Ion 129.00 (128.70 to 129.70): BE1

Ion 127.00 (126.70 to 127.70): BE1

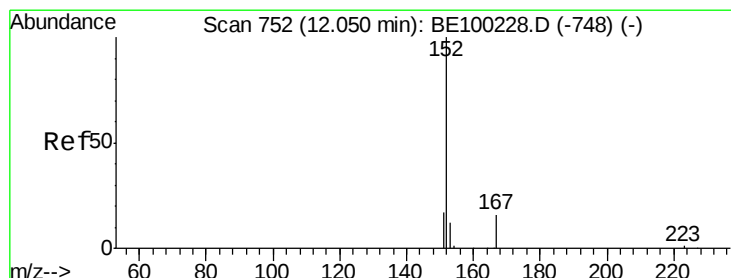
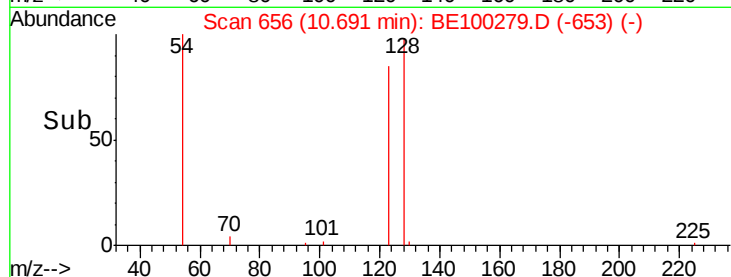
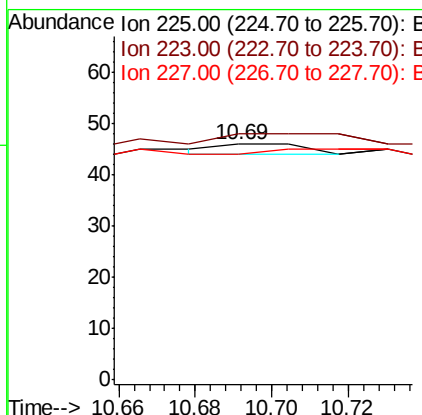
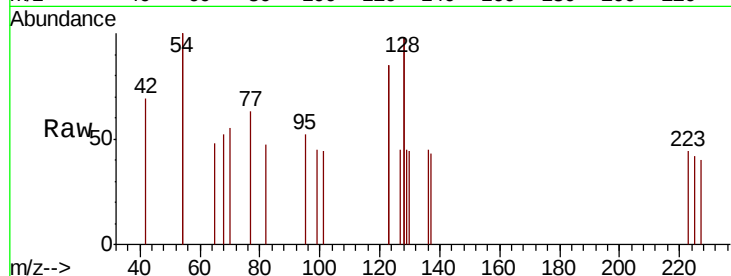




#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.07 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

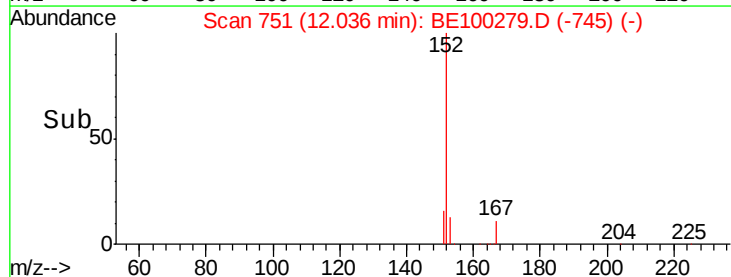
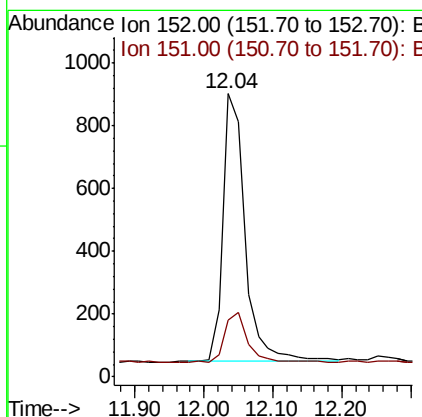
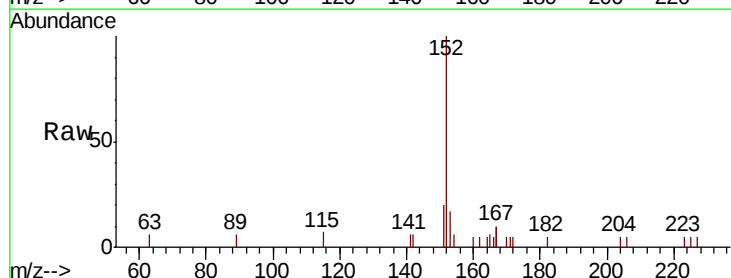
Instrument :
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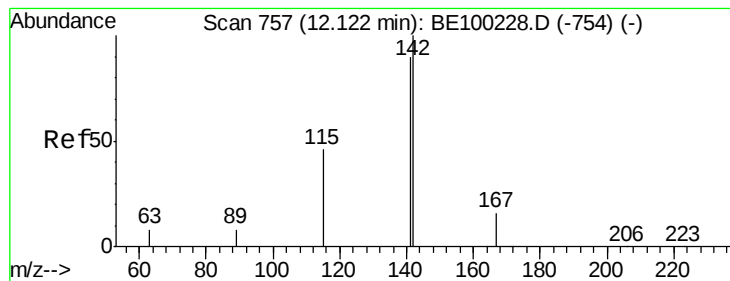
Tgt Ion: 225 Resp: 3
Ion Ratio Lower Upper
225 100
223 166.7 49.1 73.7#
227 100.0 49.3 73.9#



#11
2-Methylnaphthalene-d10
Concen: 0.348 ng
RT: 12.04 min Scan# 751
Delta R.T. -0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion: 152 Resp: 1894
Ion Ratio Lower Upper
152 100
151 19.4 15.1 22.7





#12

2-Methylnaphthalene

Concen: 0.105 ng

RT: 12.12 min Scan# 757

Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

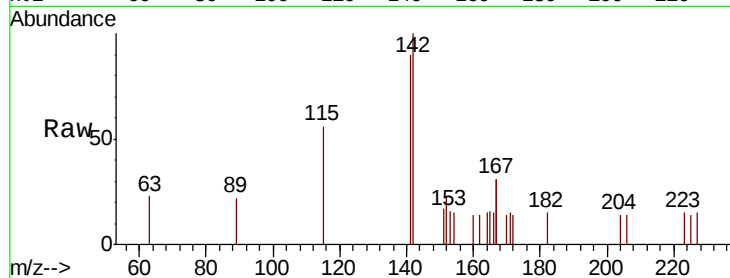
Tgt Ion:142 Resp: 587

Ion Ratio Lower Upper

142 100

141 90.4 72.4 108.6

115 56.4 40.4 60.6



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

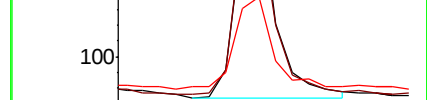
12.12

300

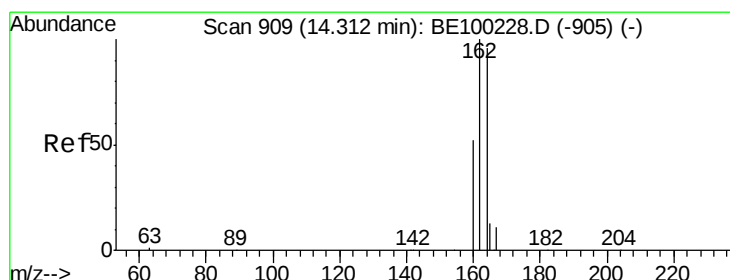
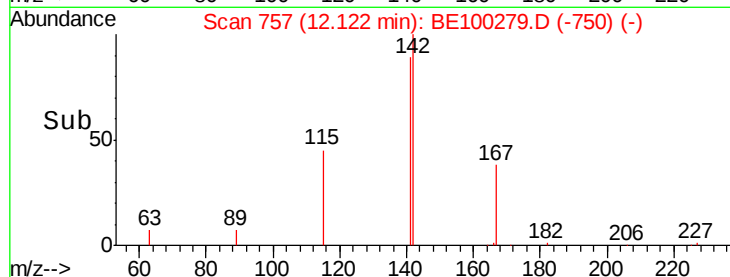
200

100

0



Time--> 12.00 12.10 12.20



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

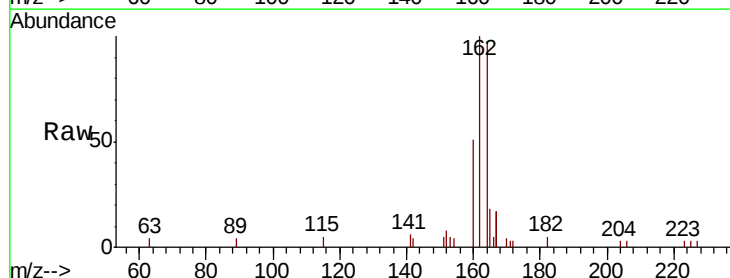
Tgt Ion:164 Resp: 2212

Ion Ratio Lower Upper

164 100

162 102.7 83.4 125.0

160 52.4 45.0 67.6



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

14.31

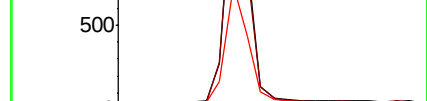
2000

1500

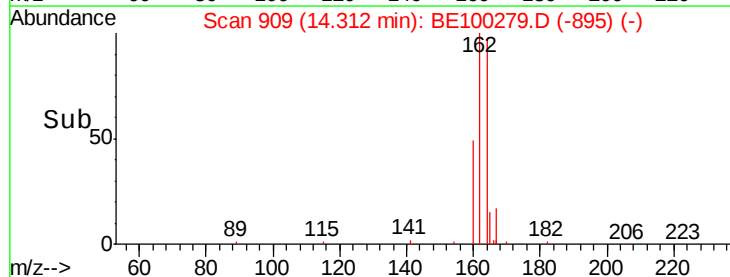
1000

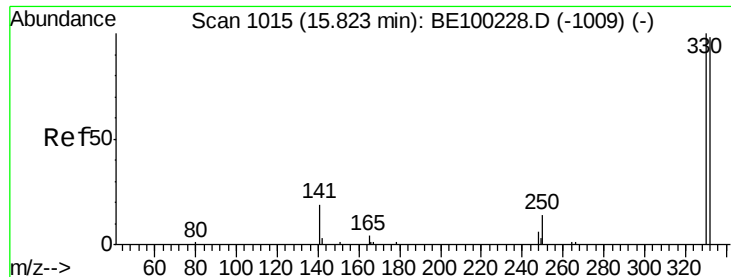
500

0



Time--> 14.20 14.30 14.40

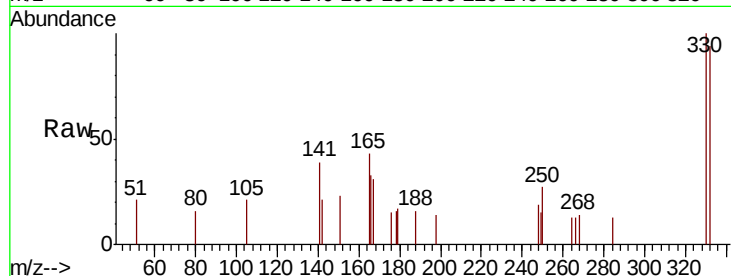




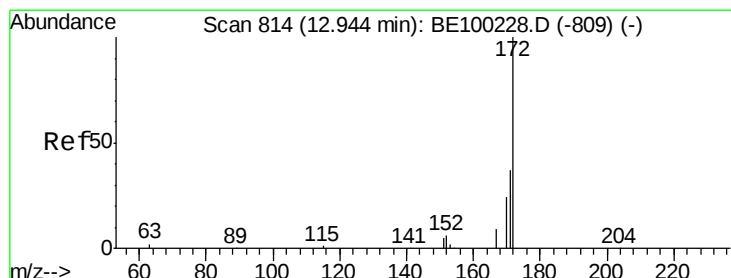
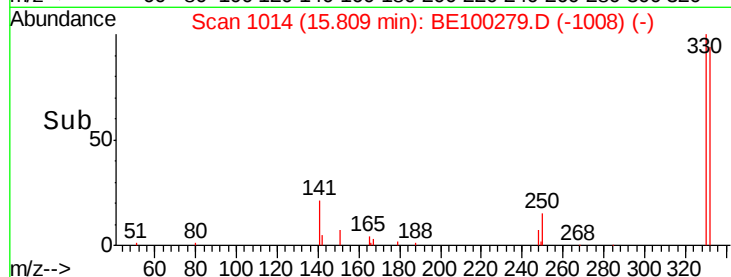
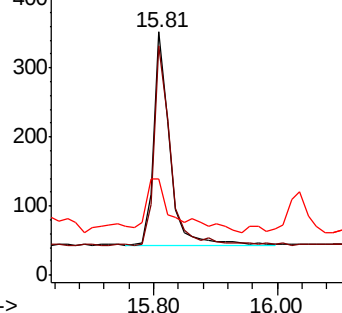
#14
 2,4,6-Tribromophenol
 Concen: 0.359 ng
 RT: 15.81 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

Tgt Ion: 330 Resp: 555
 Ion Ratio Lower Upper
 330 100
 332 94.1 77.0 115.4
 141 43.1 22.0 33.0#

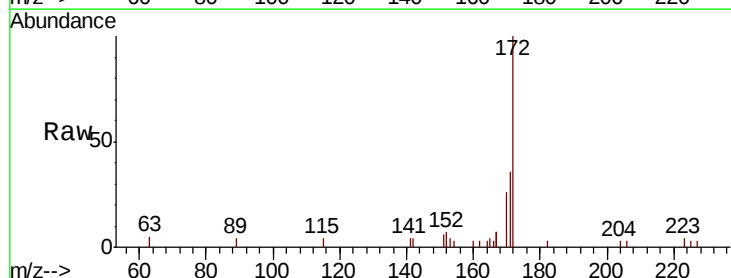


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

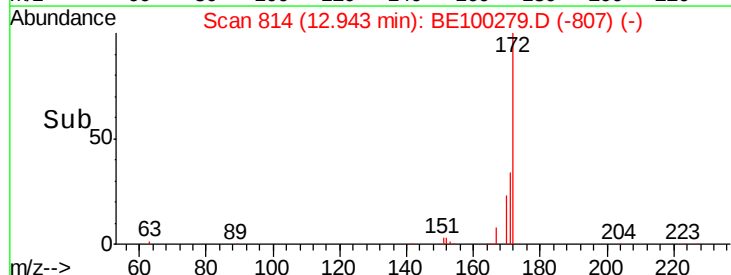
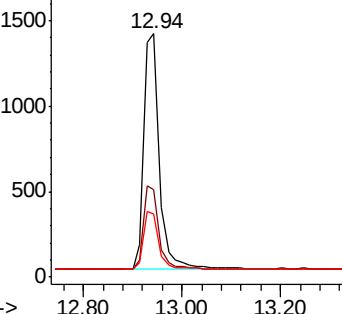


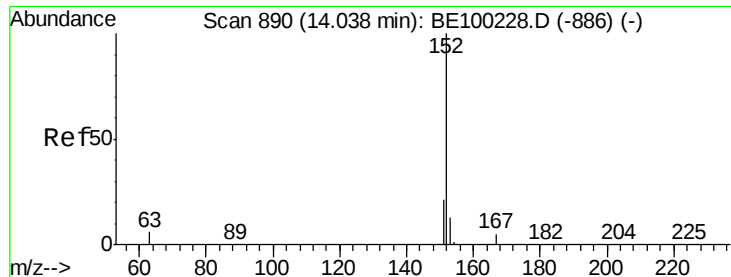
#15
 2-Fluorobiphenyl
 Concen: 0.355 ng
 RT: 12.94 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Tgt Ion: 172 Resp: 3058
 Ion Ratio Lower Upper
 172 100
 171 36.1 31.9 47.9
 170 25.9 22.2 33.2



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

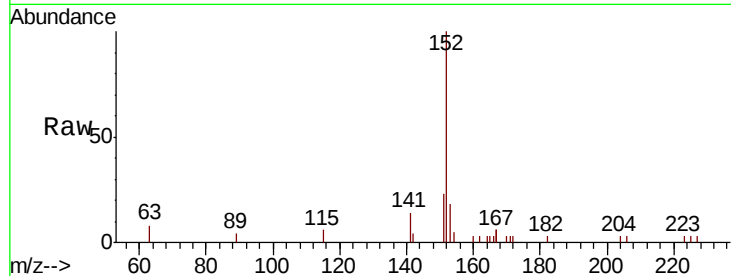




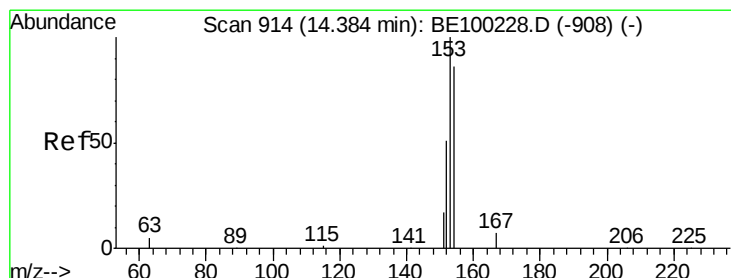
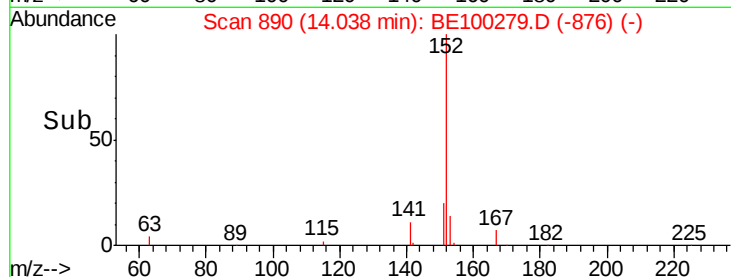
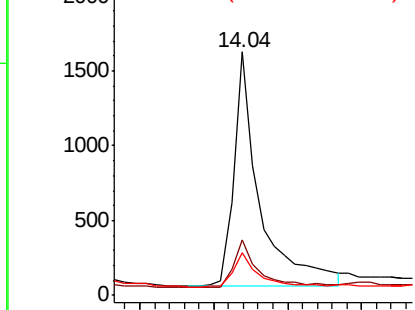
#16
Acenaphthylene
Concen: 0.358 ng
RT: 14.04 min Scan# 890
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

Tgt Ion: 152 Resp: 3795
Ion Ratio Lower Upper
152 100
151 20.0 16.6 25.0
153 14.4 10.5 15.7

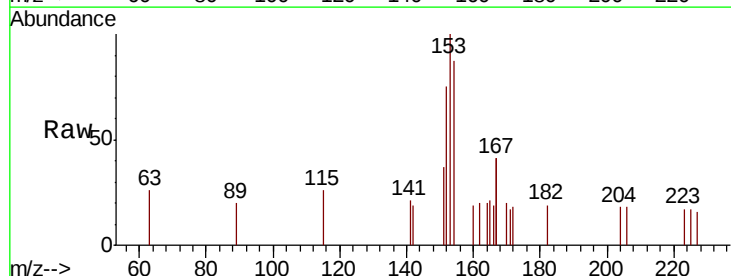


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

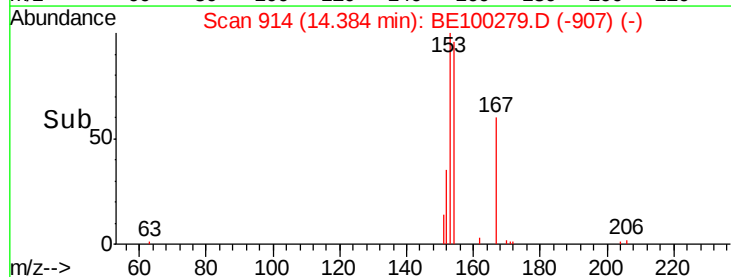
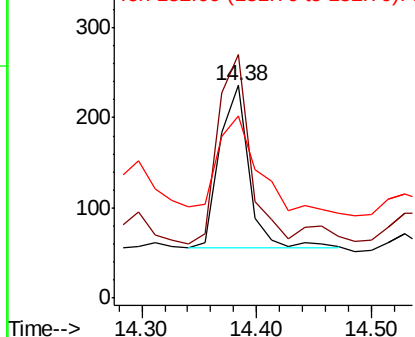


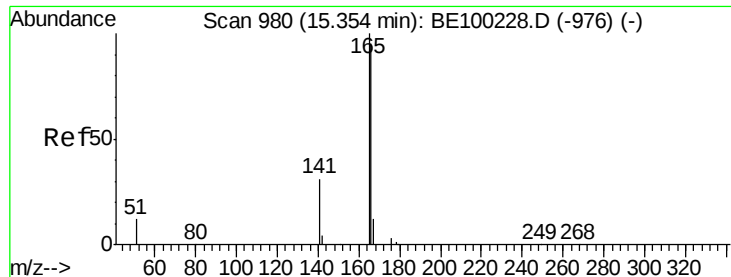
#17
Acenaphthene
Concen: 0.053 ng
RT: 14.38 min Scan# 914
Delta R.T. -0.00 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion: 154 Resp: 316
Ion Ratio Lower Upper
154 100
153 128.5 93.4 140.2
152 82.9 49.4 74.2#



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

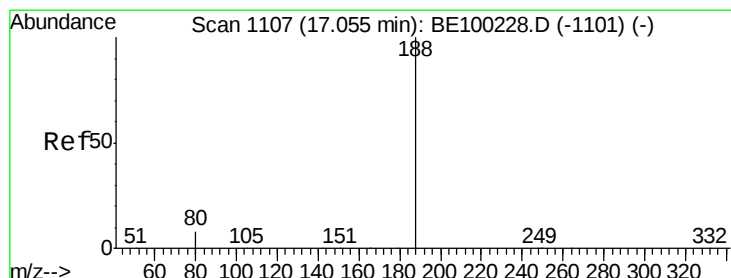
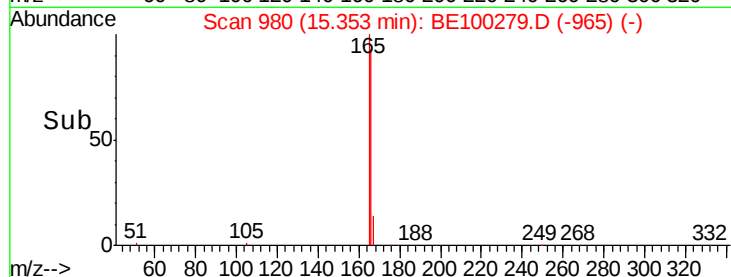
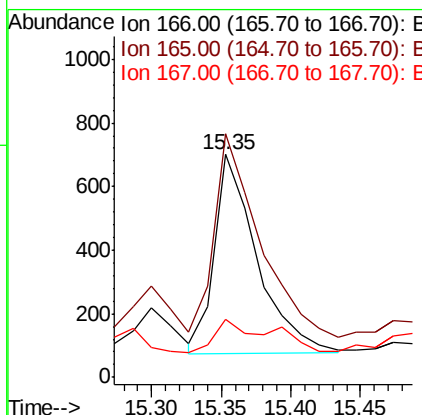
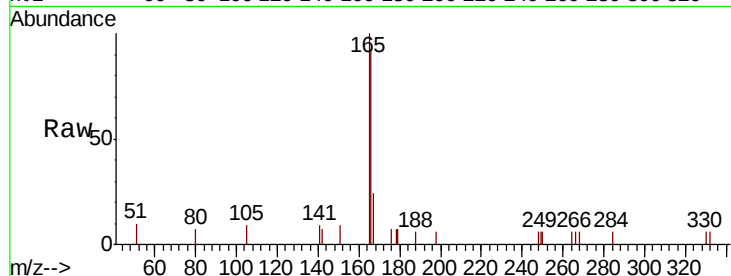




#18
 Fluorene
 Concen: 0.148 ng
 RT: 15.35 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

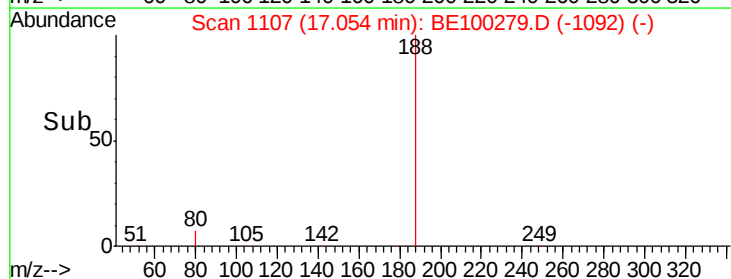
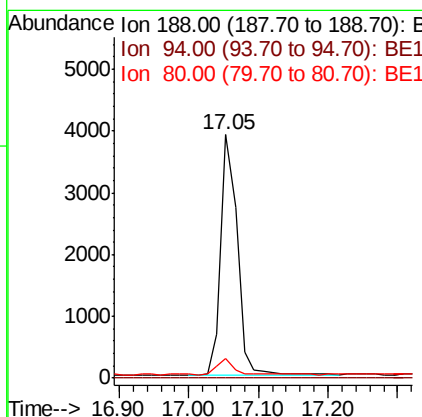
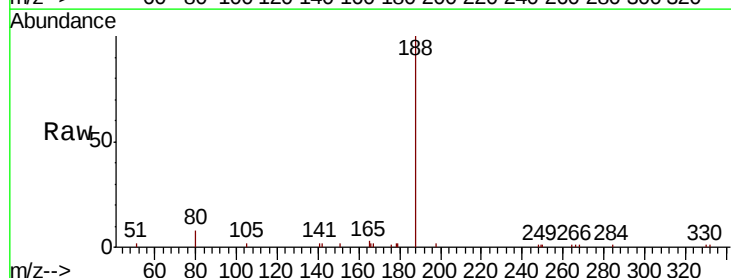
Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

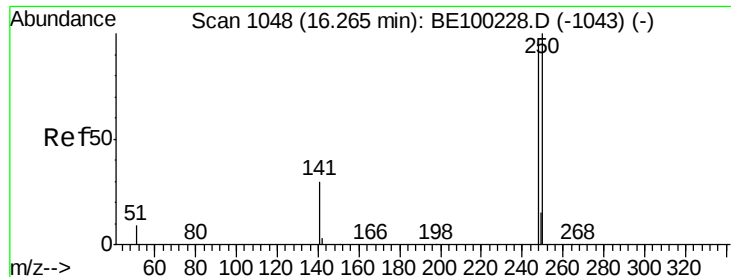
Tgt Ion:166 Resp: 1317
 Ion Ratio Lower Upper
 166 100
 165 112.3 81.1 121.7
 167 23.3 10.7 16.1#



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.05 min Scan# 1107
 Delta R.T. -0.00 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Tgt Ion:188 Resp: 6401
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.1 7.6 11.4

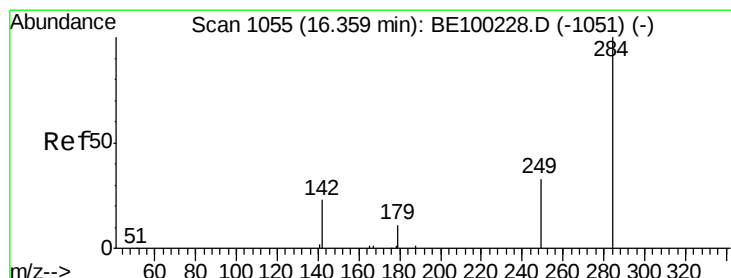
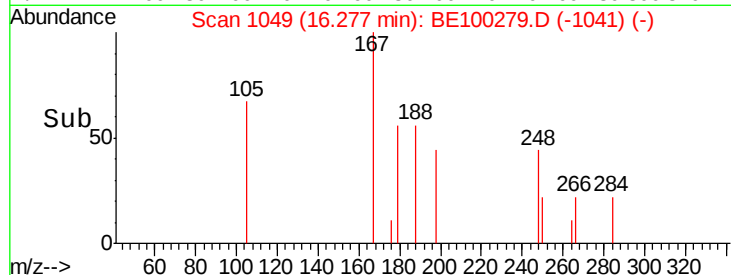
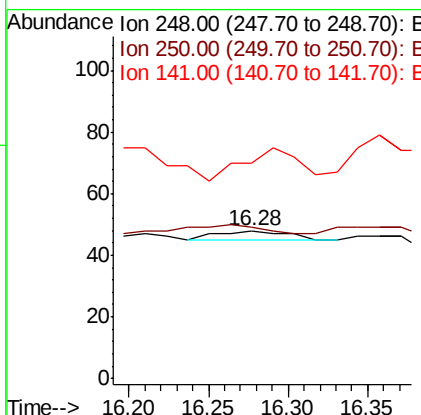
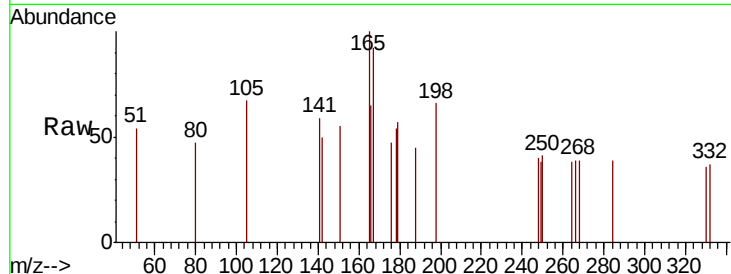




#20
4-Bromophenyl-phenylether
Concen: 0.002 ng
RT: 16.28 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

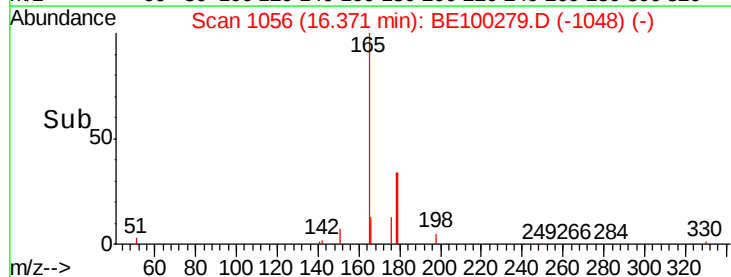
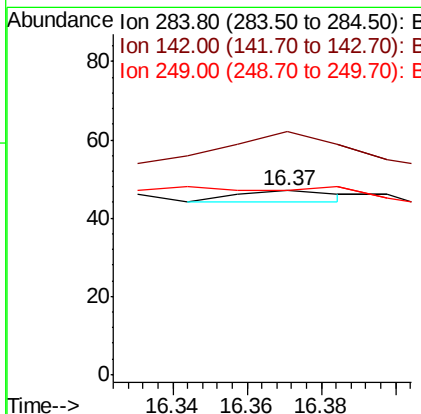
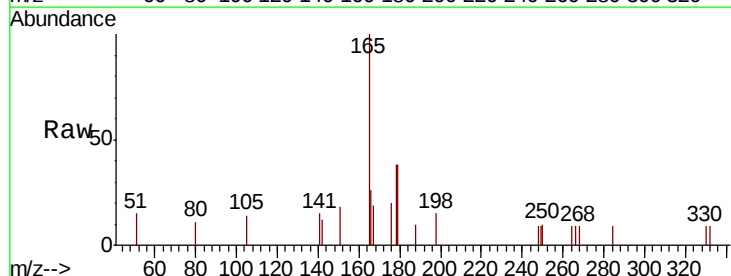
Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

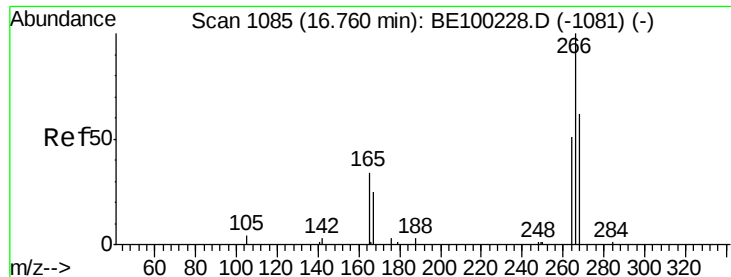
Tgt Ion:	248	Resp:	9
Ion	Ratio	Lower	Upper
248	100		
250	102.1	84.2	126.4
141	145.8	29.3	43.9#



#21
Hexachlorobenzene
Concen: 0.001 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion:	284	Resp:	6
Ion	Ratio	Lower	Upper
284	100		
142	283.3	18.8	28.2#
249	0.0	23.7	35.5#

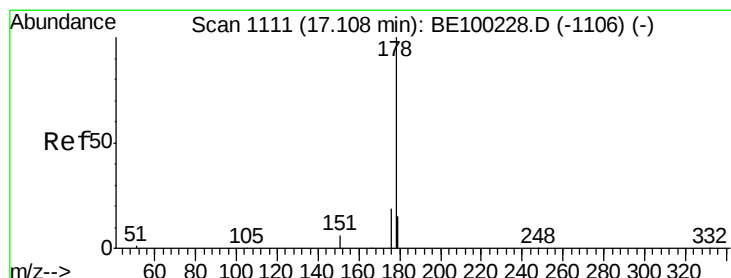
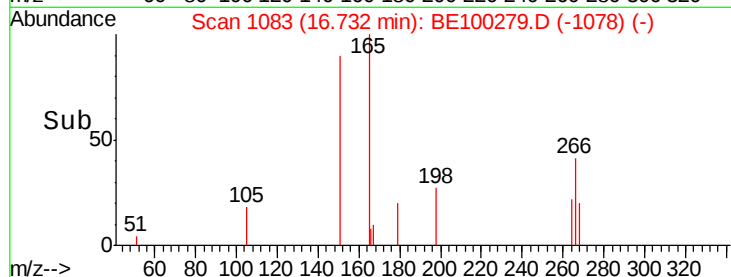
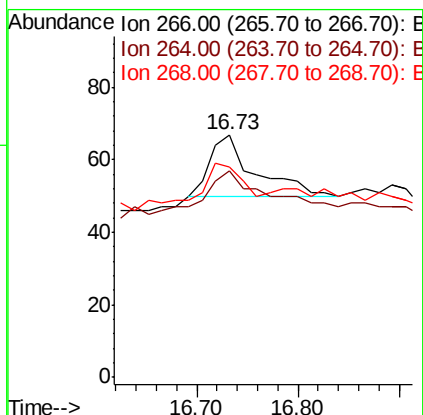
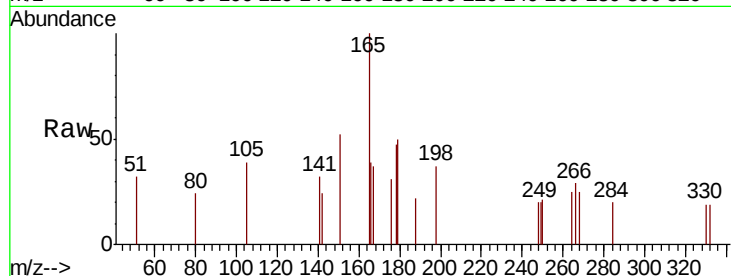




#22
 Pentachlorophenol
 Concen: 0.040 ng
 RT: 16.73 min Scan# 1083
 Delta R.T. -0.03 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

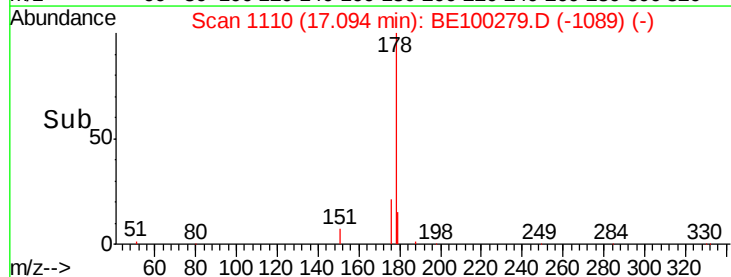
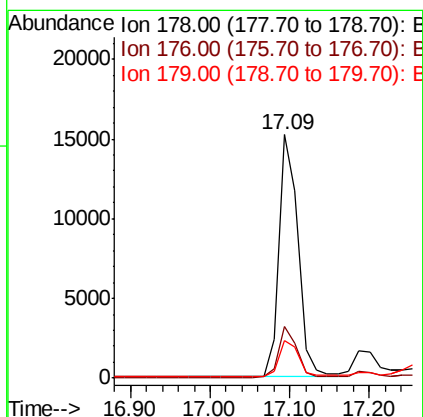
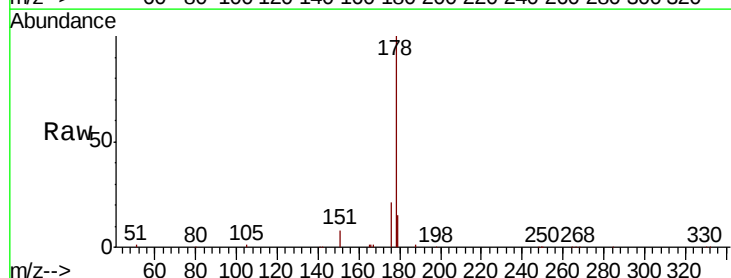
Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

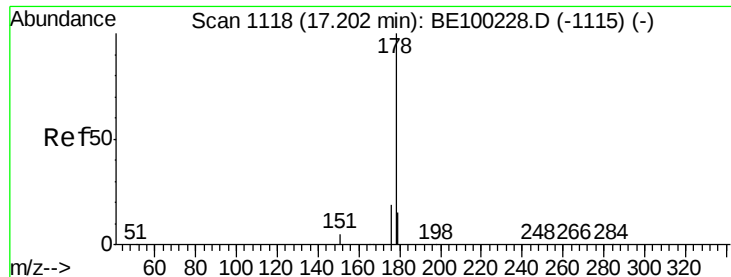
Tgt Ion: 266 Resp: 51
 Ion Ratio Lower Upper
 266 100
 264 85.1 56.2 84.2#
 268 86.6 61.8 92.6



#23
 Phenanthrene
 Concen: 1.647 ng
 RT: 17.09 min Scan# 1110
 Delta R.T. -0.01 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Tgt Ion: 178 Resp: 25545
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.9 23.9
 179 15.6 12.2 18.2





#24

Anthracene

Concen: 0.264 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

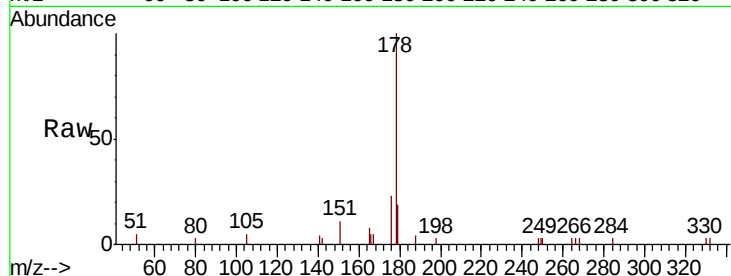
Tgt Ion:178 Resp: 3695

Ion Ratio Lower Upper

178 100

176 14.5 15.3 22.9#

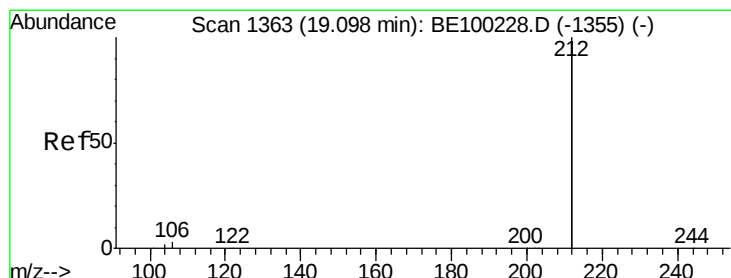
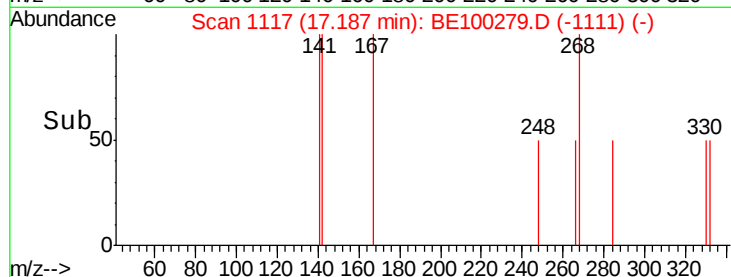
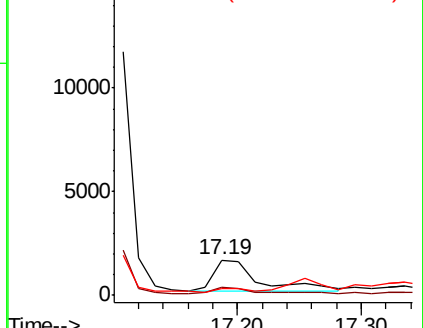
179 6.2 12.2 18.2#



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: 0.334 ng

RT: 19.09 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

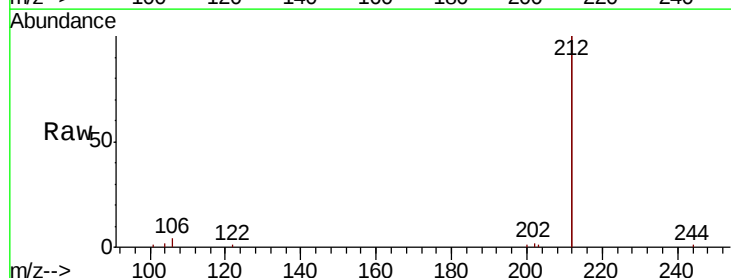
Tgt Ion:212 Resp: 31044

Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

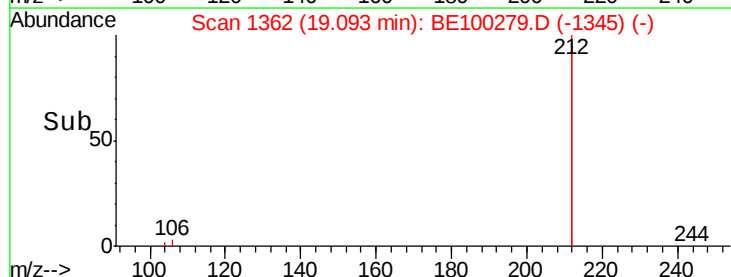
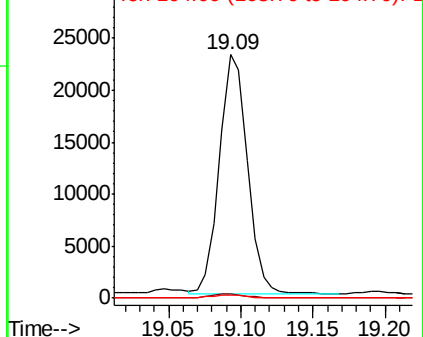
104 0.9 0.8 1.2

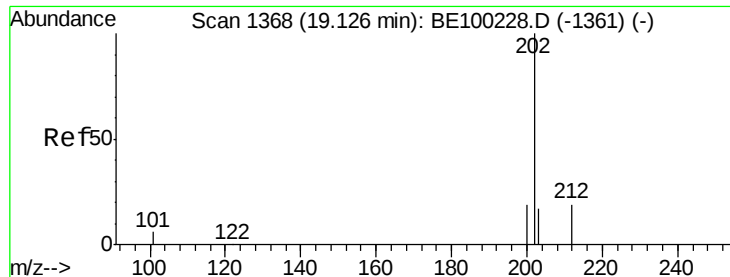


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

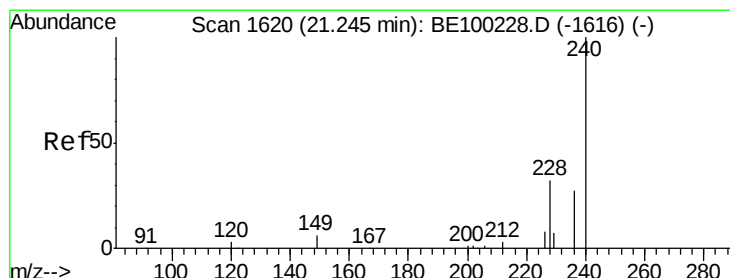
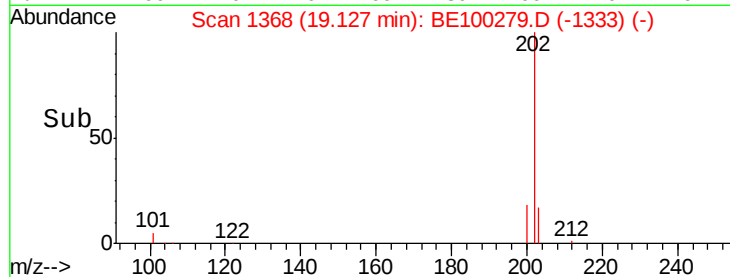
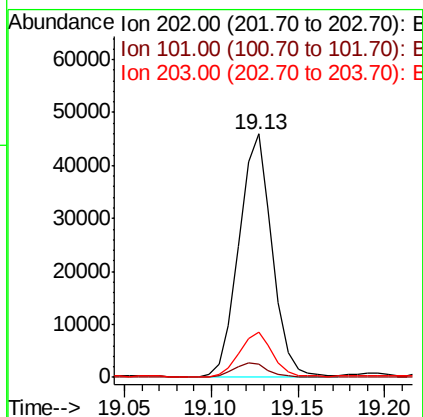
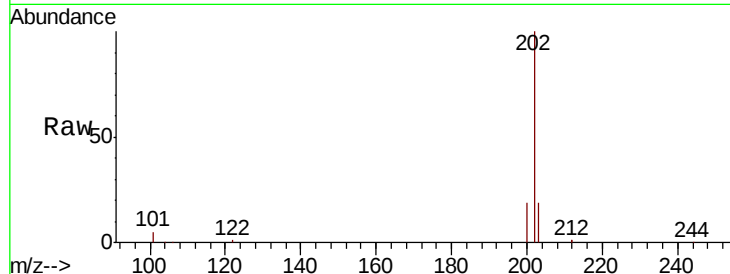




#26
 Fluoranthene
 Concen: 2.469 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

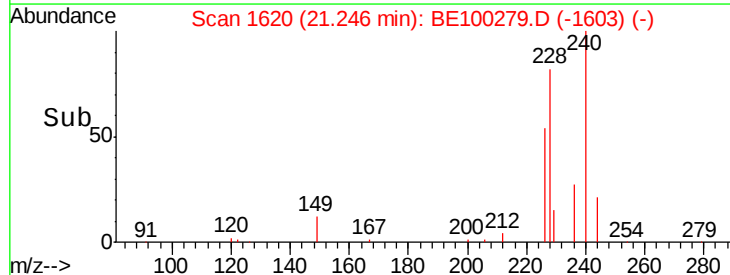
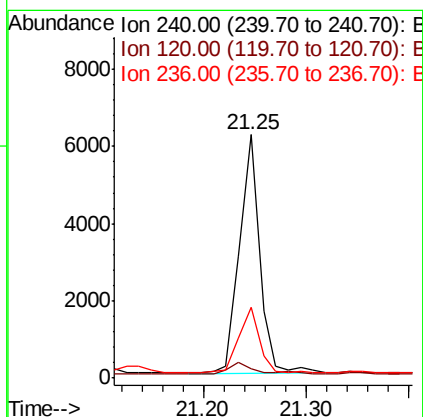
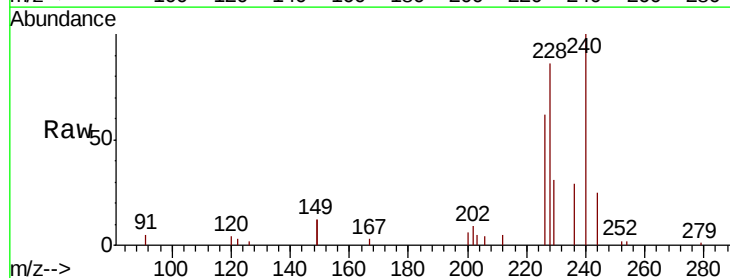
Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

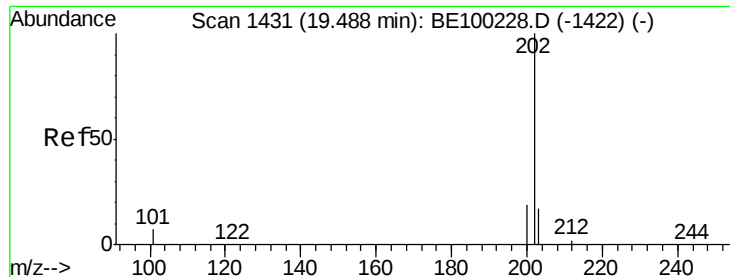
Tgt Ion: 202 Resp: 61020
 Ion Ratio Lower Upper
 202 100
 101 5.7 4.6 7.0
 203 17.9 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Tgt Ion: 240 Resp: 8446
 Ion Ratio Lower Upper
 240 100
 120 4.0 3.3 4.9
 236 29.1 22.6 34.0





#28

Pyrene

Concen: 4.150 ng

RT: 19.49 min Scan# 1431

Delta R.T. 0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

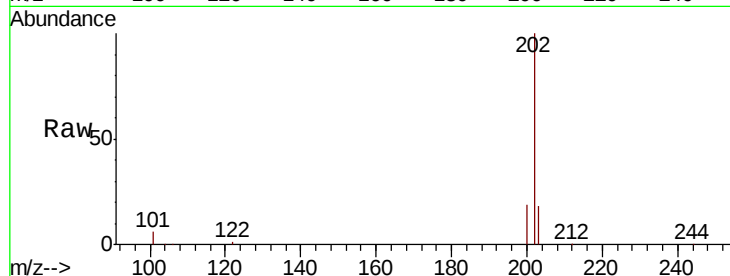
Tgt Ion:202 Resp: 92802

Ion Ratio Lower Upper

202 100

200 19.6 15.6 23.4

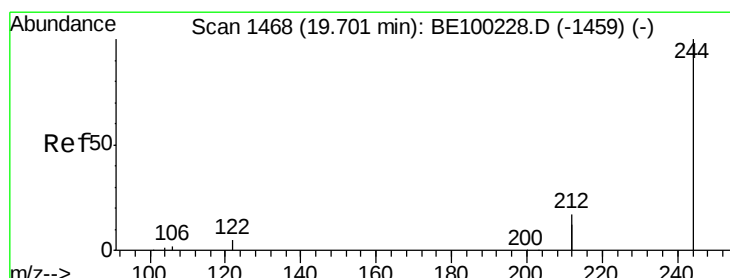
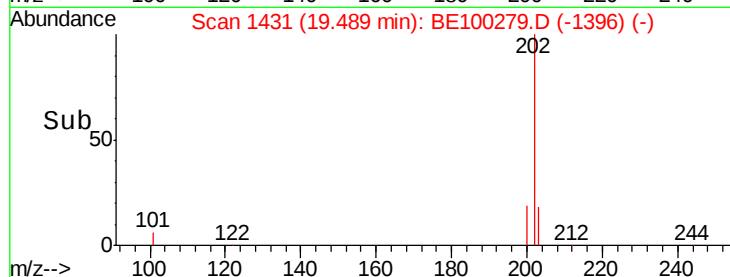
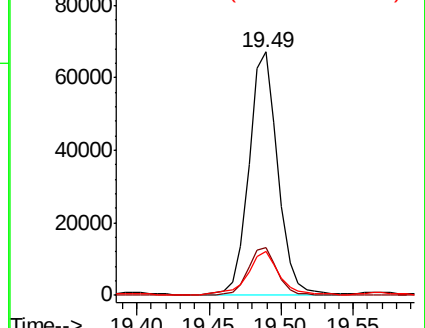
203 19.5 14.0 21.0



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: 0.415 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

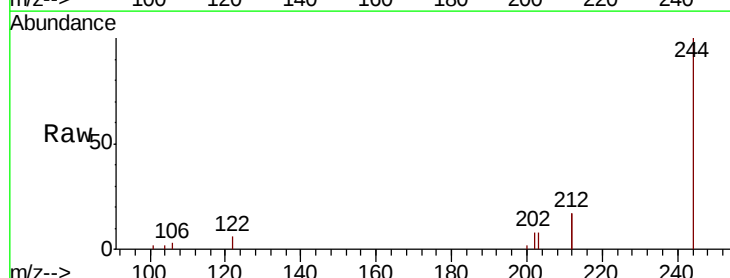
Tgt Ion:244 Resp: 7257

Ion Ratio Lower Upper

244 100

212 33.5 27.3 40.9

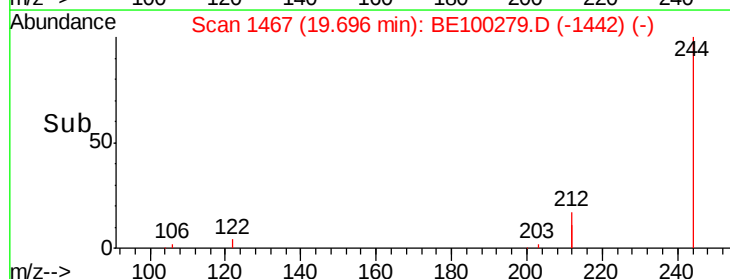
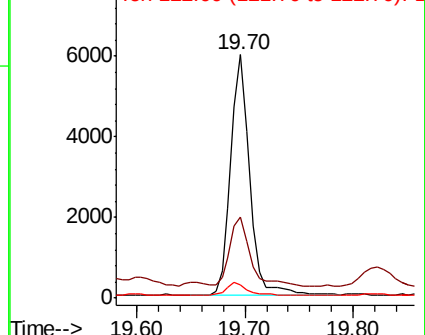
122 5.6 4.7 7.1

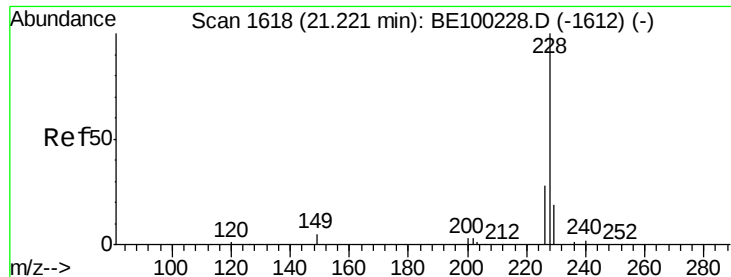


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#30

Benzo(a)anthracene

Concen: 1.547 ng

RT: 21.22 min Scan# 1618

Delta R.T. 0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

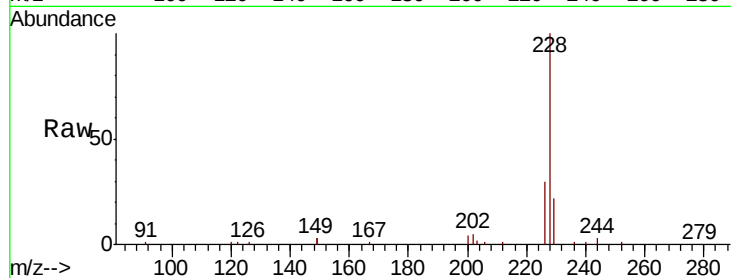
Tgt Ion:228 Resp: 42961

Ion Ratio Lower Upper

228 100

226 29.6 23.2 34.8

229 22.3 15.7 23.5

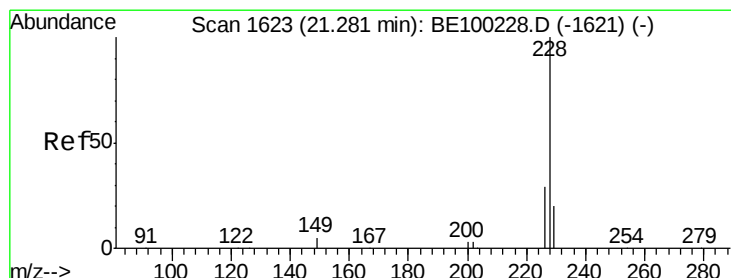
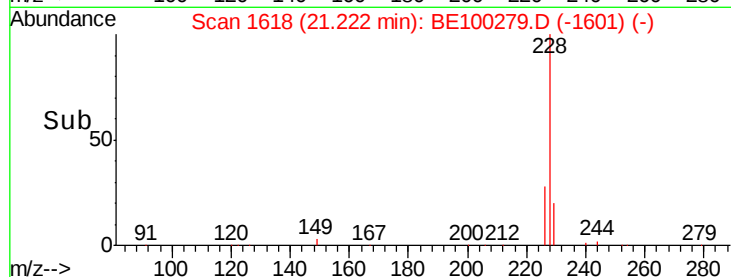
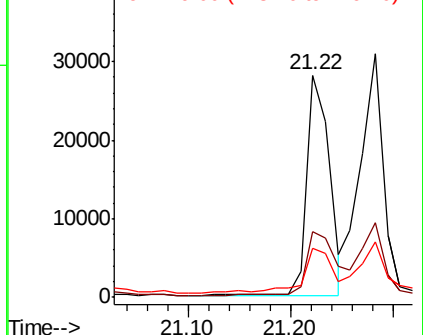


Abundance

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: 1.695 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

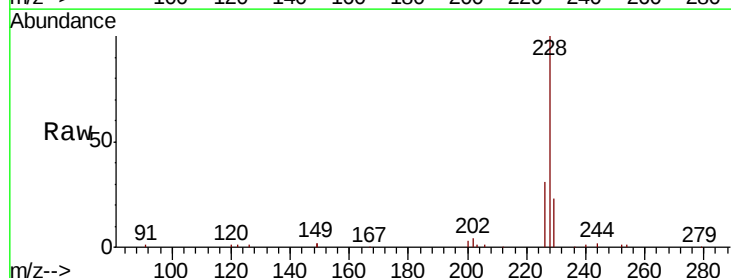
Tgt Ion:228 Resp: 47258

Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

229 22.5 16.5 24.7

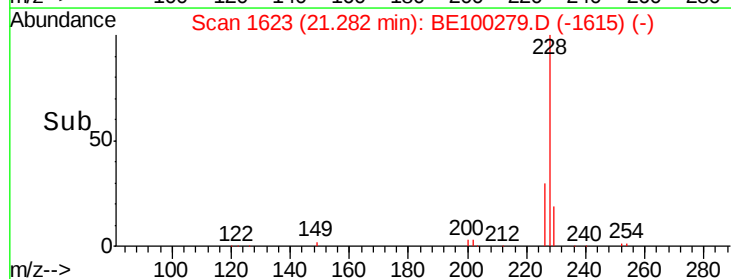
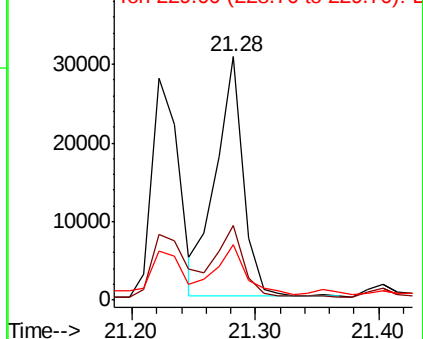


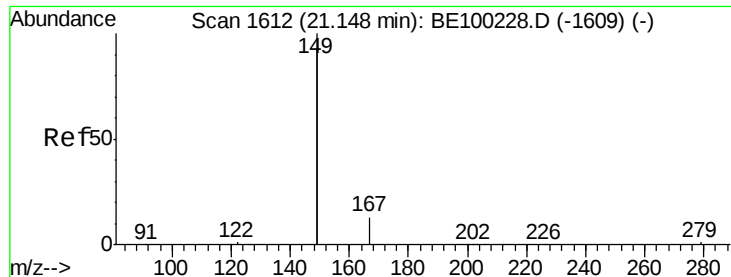
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.362 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

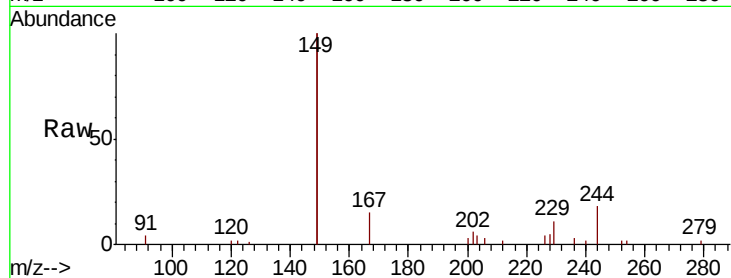
Tgt Ion:149 Resp: 16464

Ion Ratio Lower Upper

149 100

167 7.6 5.8 8.8

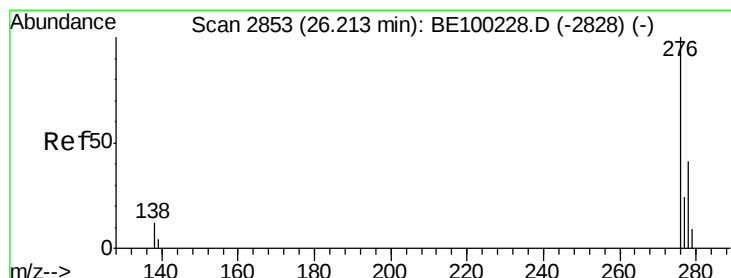
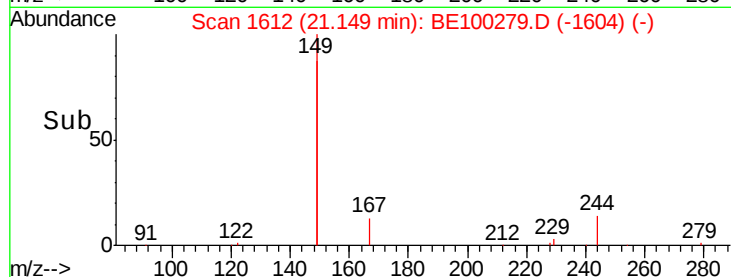
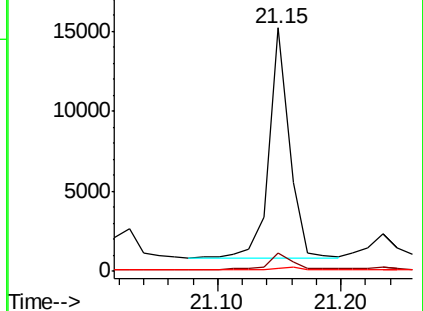
279 1.6 1.1 1.7



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: 0.809 ng

RT: 26.22 min Scan# 2855

Delta R.T. 0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

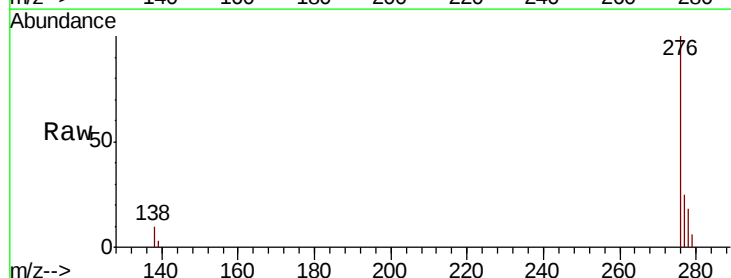
Tgt Ion:276 Resp: 29829

Ion Ratio Lower Upper

276 100

138 9.4 9.4 14.0

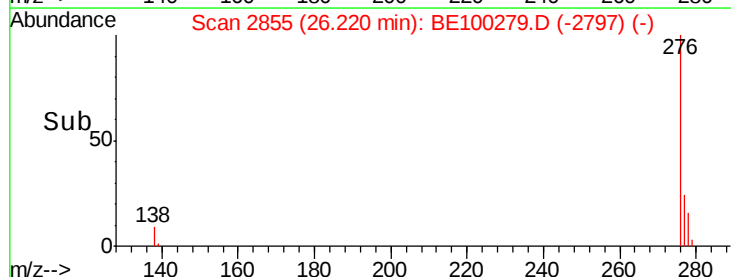
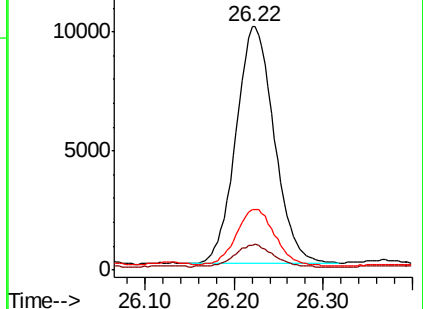
277 24.1 19.2 28.8

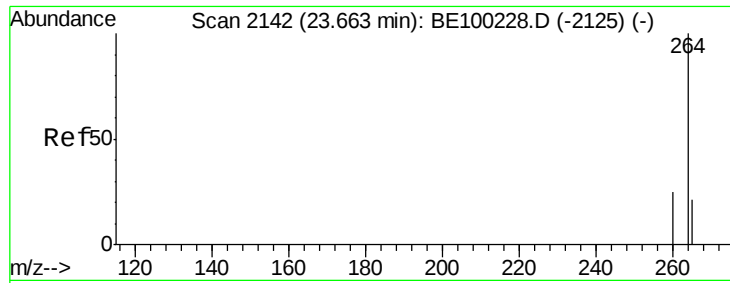


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

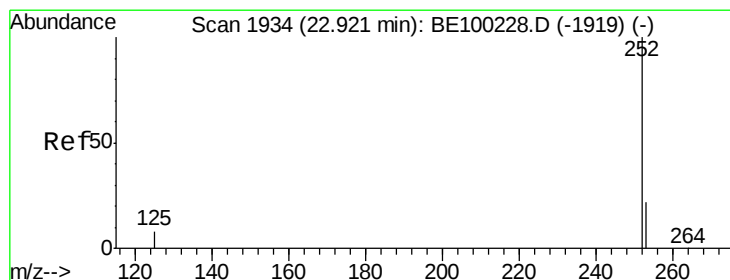
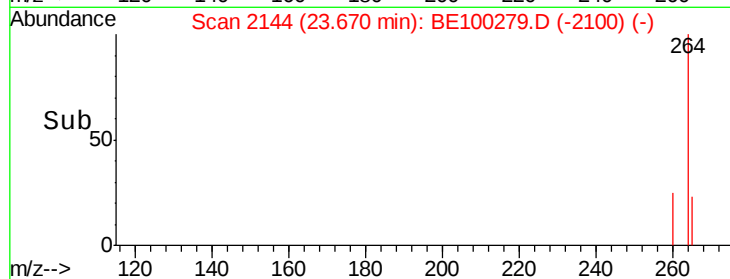
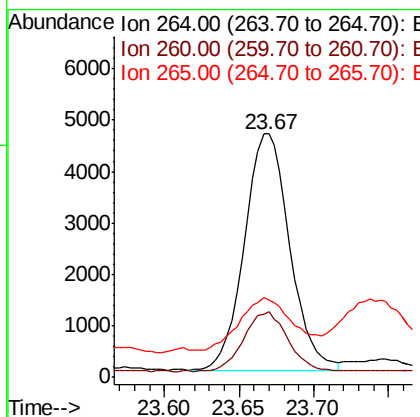
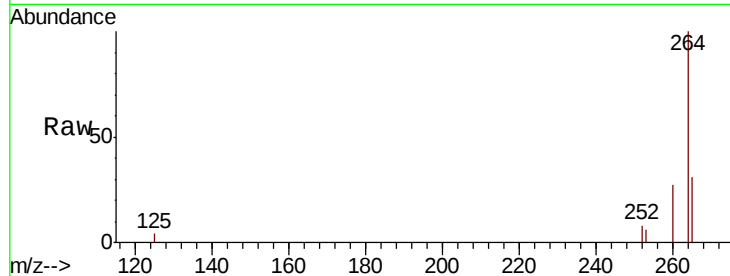




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.67 min Scan# 2144
 Delta R.T. 0.01 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

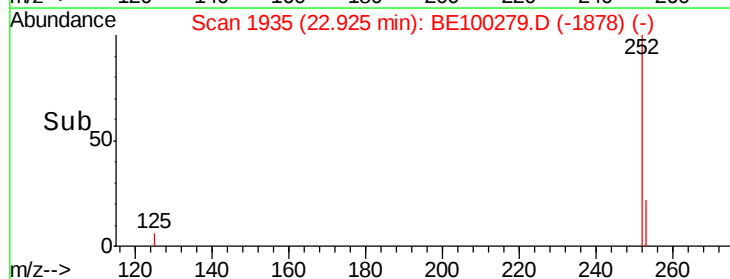
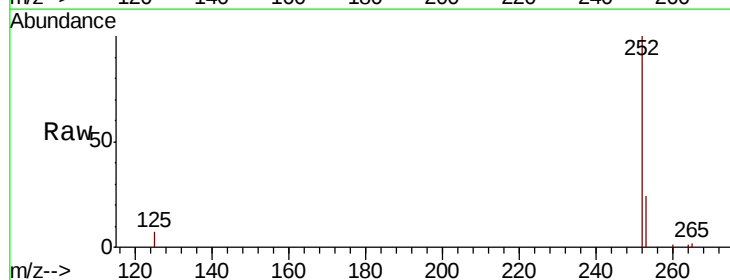
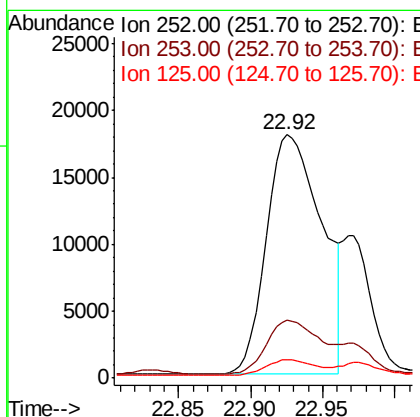
Instrument :
 BNA_E
 ClientSampleId :
 EXT-001-SW078-061719

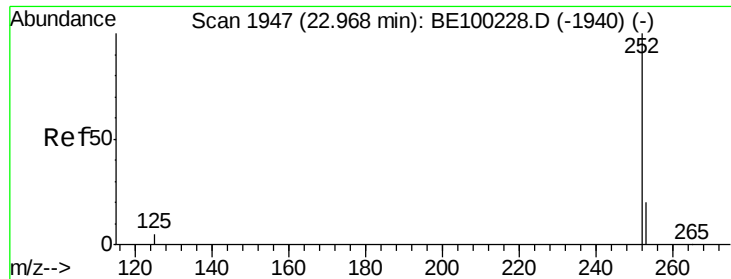
Tgt Ion: 264 Resp: 9670
 Ion Ratio Lower Upper
 264 100
 260 26.9 20.8 31.2
 265 31.5 21.8 32.6



#35
 Benzo(b)fluoranthene
 Concen: 1.825 ng
 RT: 22.92 min Scan# 1935
 Delta R.T. 0.00 min
 Lab File: BE100279.D
 Acq: 2 Jul 2019 00:32

Tgt Ion: 252 Resp: 47860
 Ion Ratio Lower Upper
 252 100
 253 23.8 19.2 28.8
 125 7.4 7.4 11.0

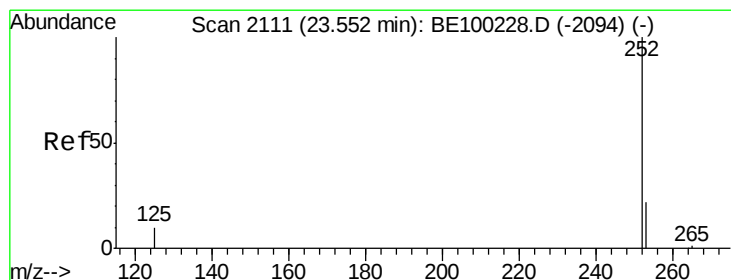
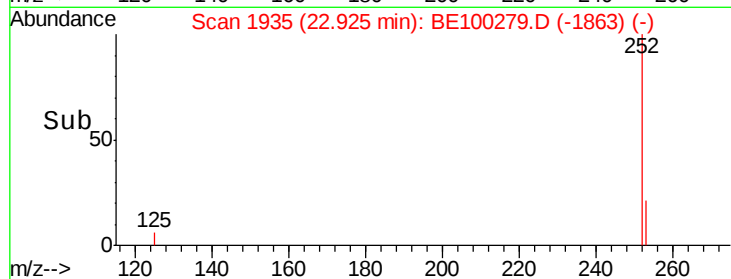
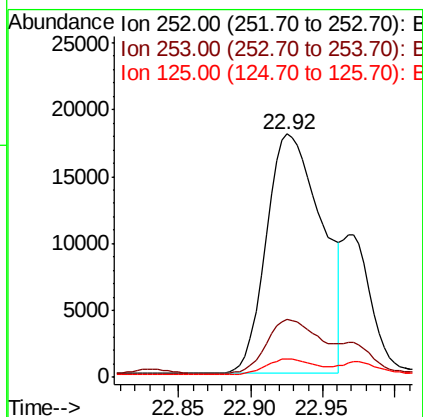
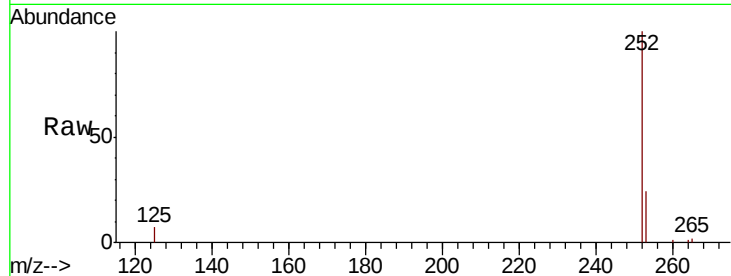




#36
Benzo(k)fluoranthene
Concen: 1.635 ng
RT: 22.92 min Scan# 1935
Delta R.T. -0.04 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

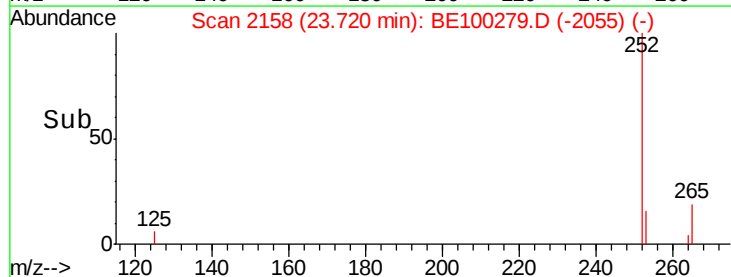
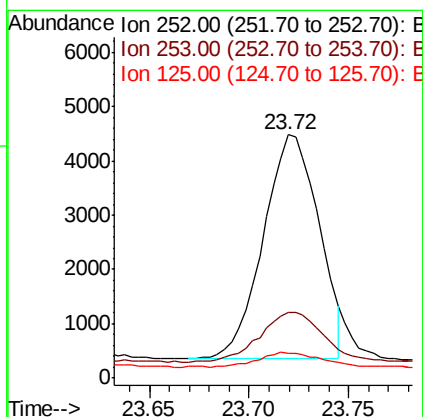
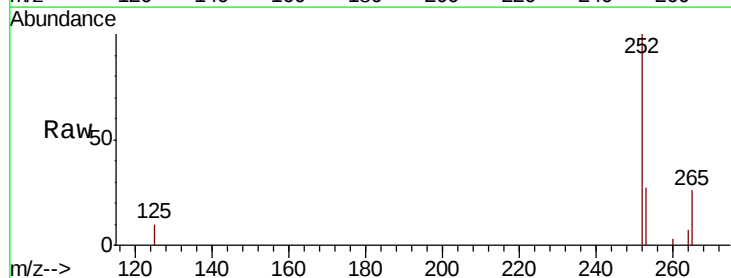
Instrument :
BNA_E
ClientSampleId :
EXT-001-SW078-061719

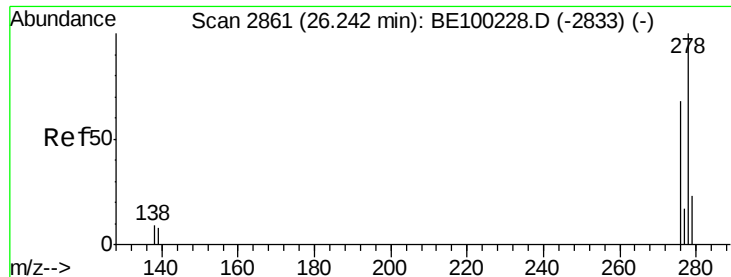
Tgt Ion: 252 Resp: 47860
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 7.4 5.0 7.4



#37
Benzo(a)pyrene
Concen: 0.303 ng
RT: 23.72 min Scan# 2158
Delta R.T. 0.17 min
Lab File: BE100279.D
Acq: 2 Jul 2019 00:32

Tgt Ion: 252 Resp: 7952
Ion Ratio Lower Upper
252 100
253 27.2 19.6 29.4
125 10.3 9.0 13.6





#38

Dibenzo(a,h)anthracene

Concen: 0.255 ng

RT: 26.23 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

Instrument :

BNA_E

ClientSampleId :

EXT-001-SW078-061719

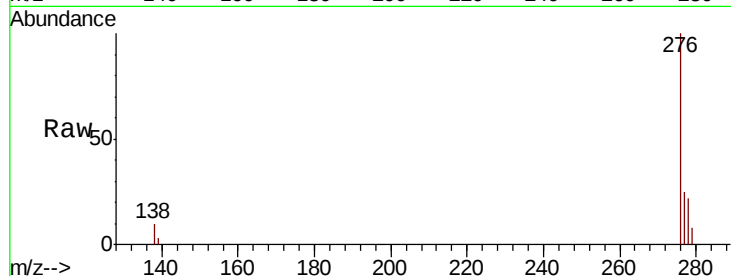
Tgt Ion:278 Resp: 7004

Ion Ratio Lower Upper

278 100

139 13.7 8.2 12.2#

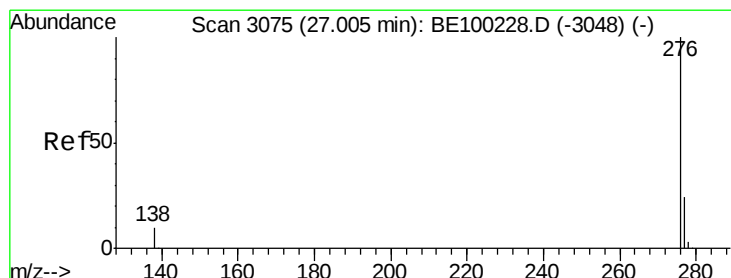
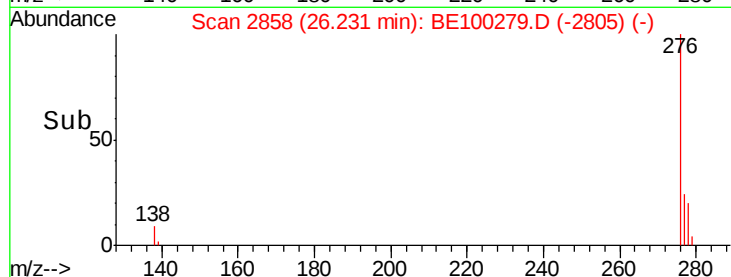
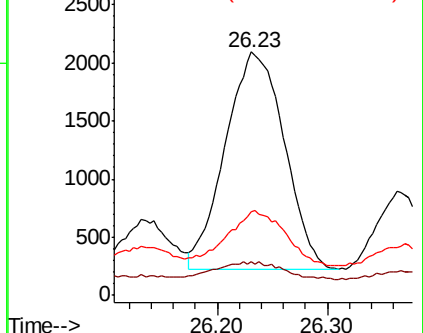
279 34.2 20.3 30.5#



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(g,h,i)perylene

Concen: 1.263 ng

RT: 27.02 min Scan# 3079

Delta R.T. 0.01 min

Lab File: BE100279.D

Acq: 2 Jul 2019 00:32

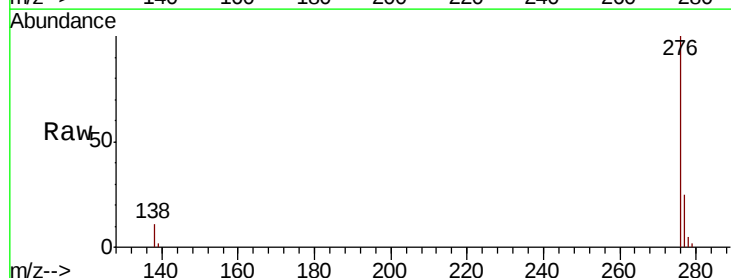
Tgt Ion:276 Resp: 35614

Ion Ratio Lower Upper

276 100

277 24.7 20.2 30.2

138 10.6 9.0 13.6



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

