

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062819\
 Data File : BE100229.D
 Acq On : 28 Jun 2019 11:01
 Operator : JU/SJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Jun 28 12:20:13 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 12:13:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.64	152	550	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	1836	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	1497	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	4553	0.40	ng	0.00
27) Chrysene-d12	21.24	240	7045	0.40	ng	0.00
34) Perylene-d12	23.67	264	8704	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	1108	0.91	ng	0.00
5) Phenol-d6	6.83	99	1393	0.83	ng	-0.01
8) Nitrobenzene-d5	8.81	82	1613	0.88	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	2721	0.79	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	835	0.96	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	4755	0.79	ng	0.00
25) Fluoranthene-d10	19.09	212	51308	0.78	ng	0.00
29) Terphenyl-d14	19.70	244	11603	0.84	ng	0.00

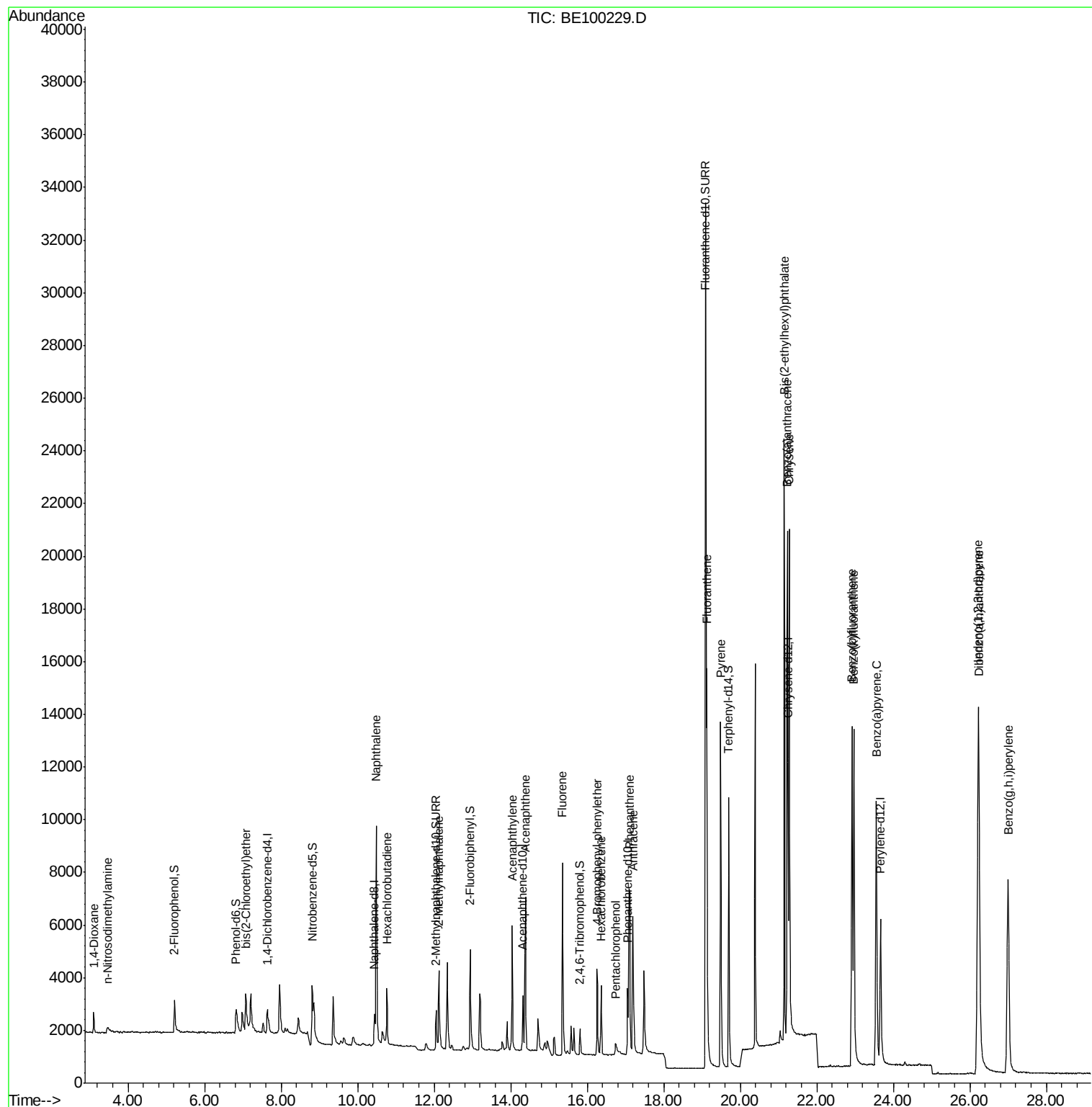
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.09	88	576	0.669	ng	90
3) n-Nitrosodimethylamine	3.46	42	270	0.848	ng	# 79
6) bis(2-Chloroethyl)ether	7.08	93	1224	0.795	ng	97
9) Naphthalene	10.48	128	16083	0.803	ng	98
10) Hexachlorobutadiene	10.76	225	1550	0.749	ng	100
12) 2-Methylnaphthalene	12.12	142	2692	0.834	ng	98
16) Acenaphthylene	14.04	152	5566	0.763	ng	99
17) Acenaphthene	14.38	154	3129	0.765	ng	99
18) Fluorene	15.35	166	4686	0.792	ng	100
20) 4-Bromophenyl-phenylether	16.25	248	2199	0.778	ng	# 79
21) Hexachlorobenzene	16.36	284	2377	0.767	ng	98
22) Pentachlorophenol	16.73	266	655	0.898	ng	93
23) Phenanthrene	17.11	178	8763	0.813	ng	99
24) Anthracene	17.20	178	7980	0.876	ng	99
26) Fluoranthene	19.12	202	13832	0.788	ng	99
28) Pyrene	19.49	202	14190	0.787	ng	100
30) Benzo(a)anthracene	21.23	228	17988	0.866	ng	97
31) Chrysene	21.28	228	18325	0.752	ng	99
32) Bis(2-ethylhexyl)phthalate	21.15	149	26524	1.111	ng	99
33) Indeno(1,2,3-cd)pyrene	26.22	276	24422	0.704	ng	99
35) Benzo(b)fluoranthene	22.92	252	18230	0.779	ng	# 95
36) Benzo(k)fluoranthene	22.97	252	20502	0.732	ng	99
37) Benzo(a)pyrene	23.56	252	18578	0.766	ng	# 95
38) Dibenzo(a,h)anthracene	26.24	278	19131	0.737	ng	97
39) Benzo(g,h,i)perylene	27.00	276	20126	0.743	ng	98

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

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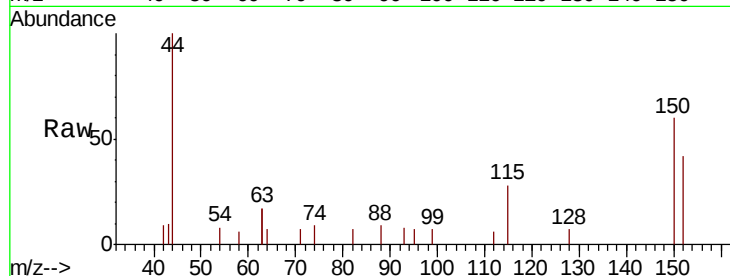


#1

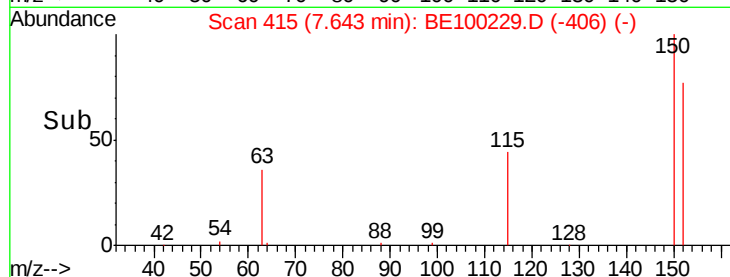
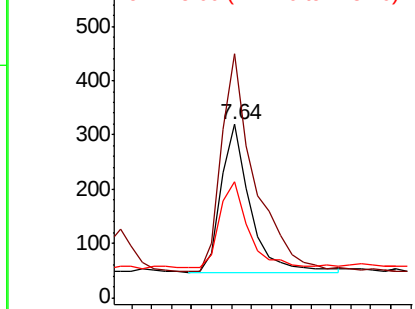
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100229.D
Acq: 28 Jun 2019 11:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tot Ion:152 Resp: 550
Ion Ratio Lower Upper
152 100
150 140.8 114.5 171.7
115 67.1 57.1 85.7



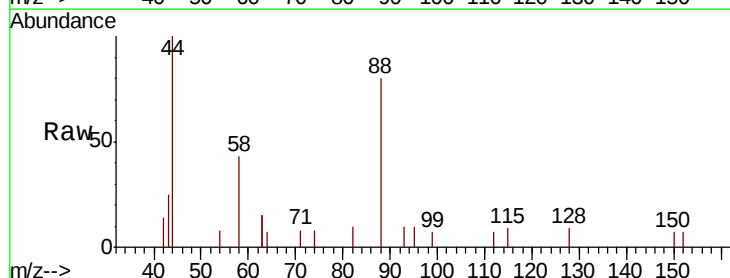
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



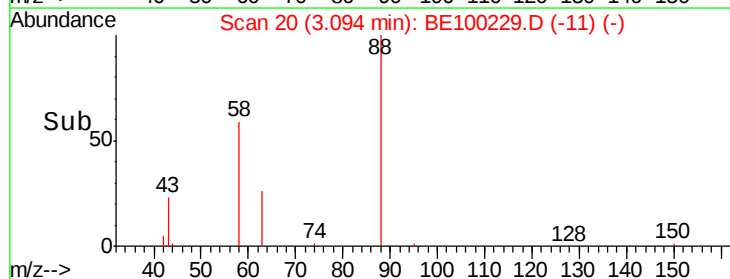
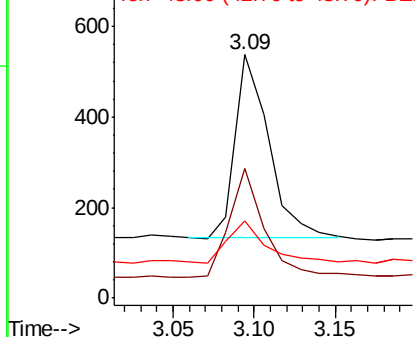
#2

1,4-Dioxane
Concen: 0.669 ng
RT: 3.09 min Scan# 20
Delta R.T. -0.00 min
Lab File: BE100229.D
Acq: 28 Jun 2019 11:01

Tgt Ion: 88 Resp: 576
Ion Ratio Lower Upper
88 100
58 64.4 43.6 65.4
43 25.3 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





#3

n-Nitrosodimethylamine

Concen: 0.848 ng

RT: 3.46 min Scan# 52

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

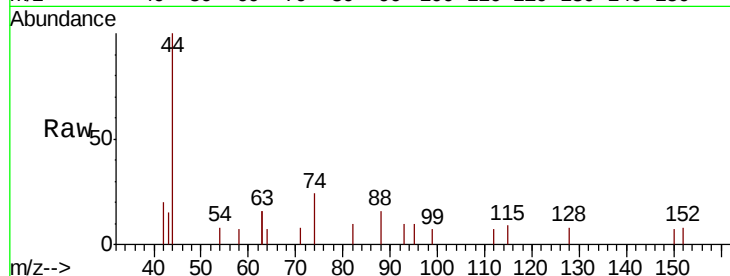
Tot Ion: 42 Resp: 270

Ion Ratio Lower Upper

42 100

74 145.2 130.6 196.0

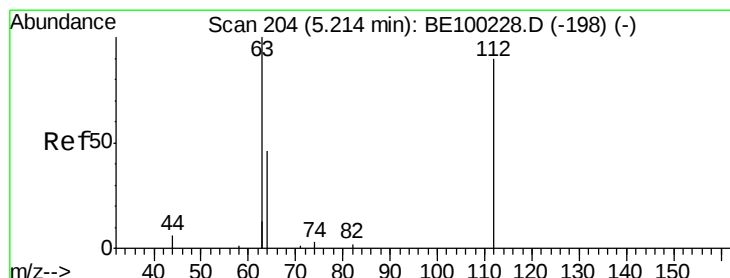
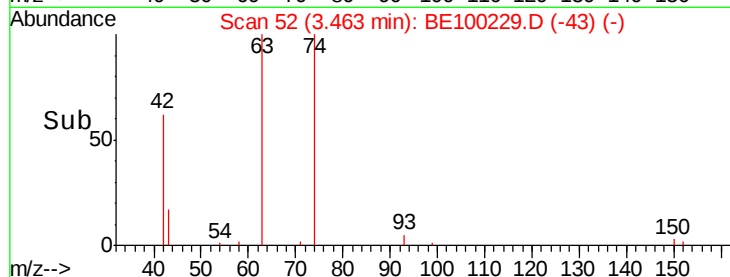
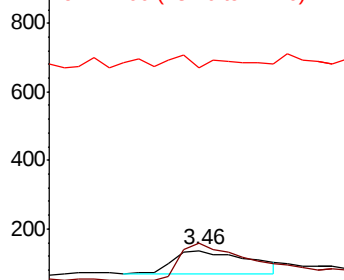
44 15.9 38.0 57.0#



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: 0.906 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

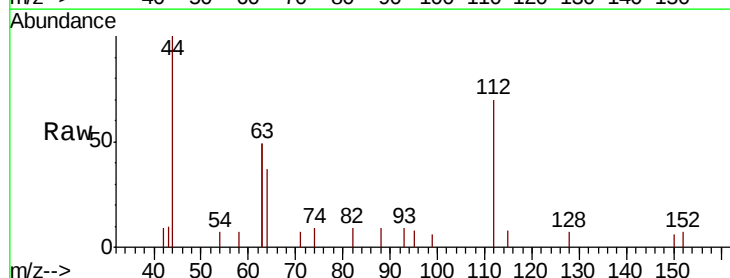
Tgt Ion: 112 Resp: 1108

Ion Ratio Lower Upper

112 100

64 54.8 39.4 59.0

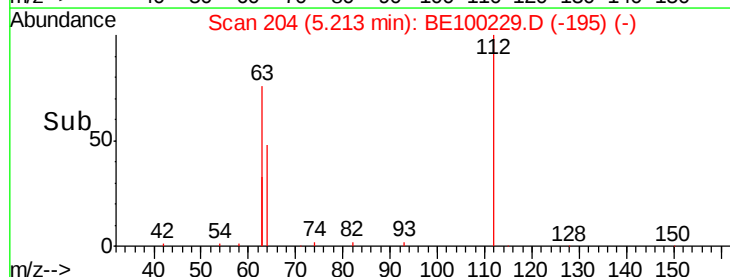
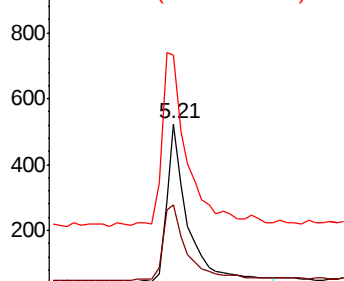
63 129.5 104.5 156.7



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





#5

Phenol-d6

Concen: 0.828 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

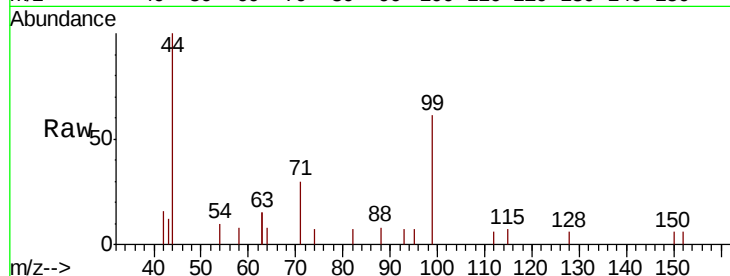
Tot Ion: 99 Resp: 1393

Ion Ratio Lower Upper

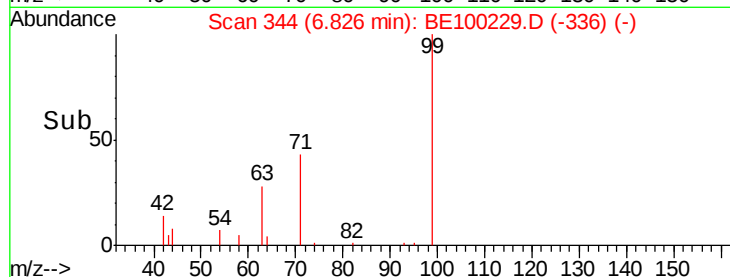
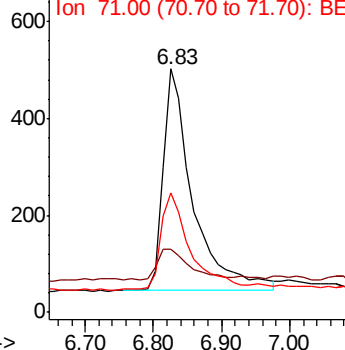
99 100

42 15.1 11.2 16.8

71 45.5 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



#6

bis(2-Chloroethyl)ether

Concen: 0.795 ng

RT: 7.08 min Scan# 366

Delta R.T. -0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

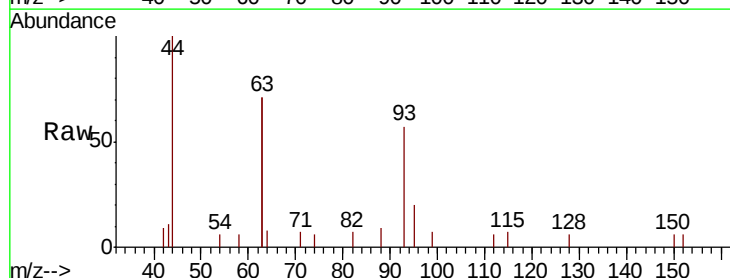
Tgt Ion: 93 Resp: 1224

Ion Ratio Lower Upper

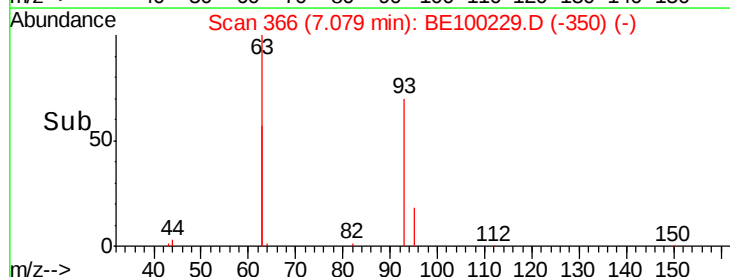
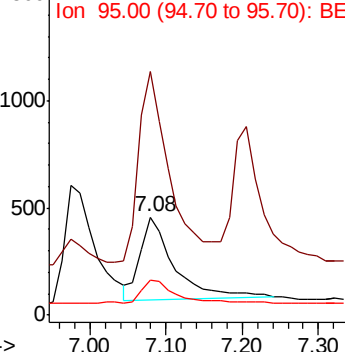
93 100

63 200.0 155.6 233.4

95 27.9 23.0 34.4



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: 10.43 min Scan# 636

Delta R.T. -0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

Tot Ion:136 Resp: 1836

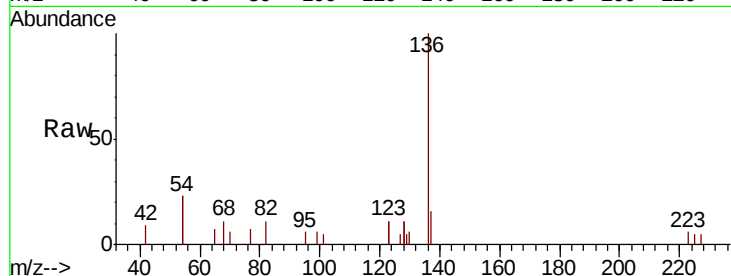
Ion Ratio Lower Upper

136 100

137 15.5 11.8 17.8

54 45.3 27.7 41.5#

68 10.5 6.8 10.2#

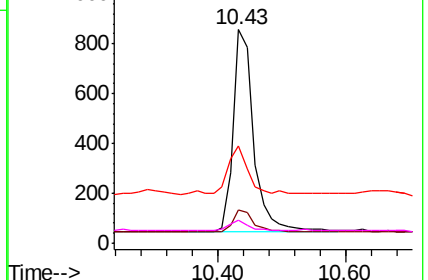
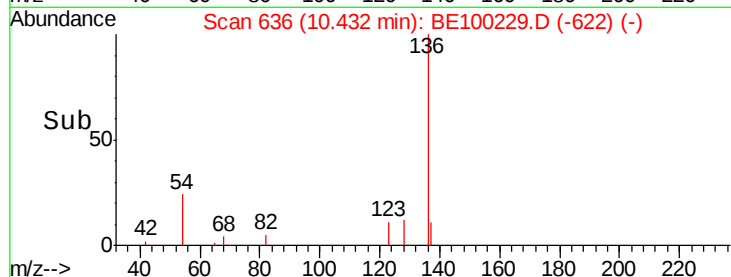


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE1

Ion 68.00 (67.70 to 68.70): BE1



#8

Nitrobenzene-d5

Concen: 0.883 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

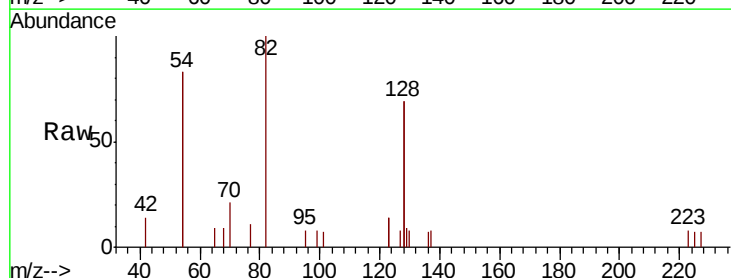
Tgt Ion: 82 Resp: 1613

Ion Ratio Lower Upper

82 100

128 137.4 140.9 211.3#

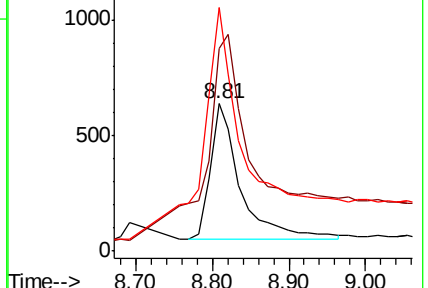
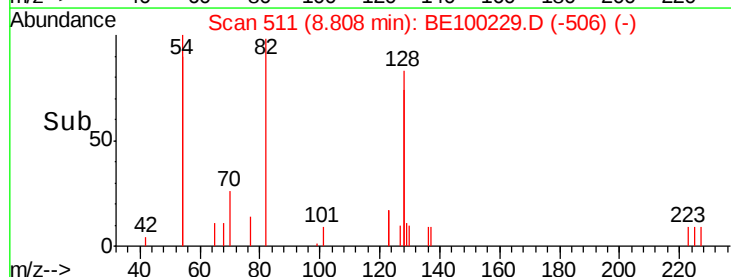
54 165.4 146.2 219.2

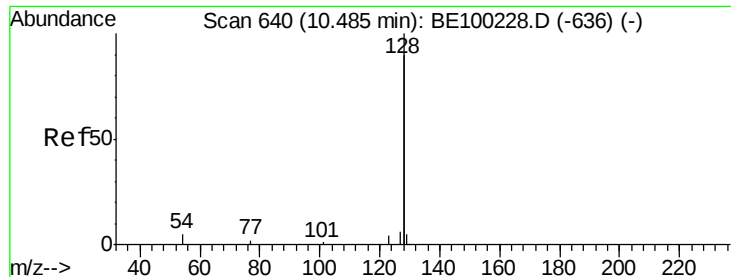


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.803 ng

RT: 10.48 min Scan# 640

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

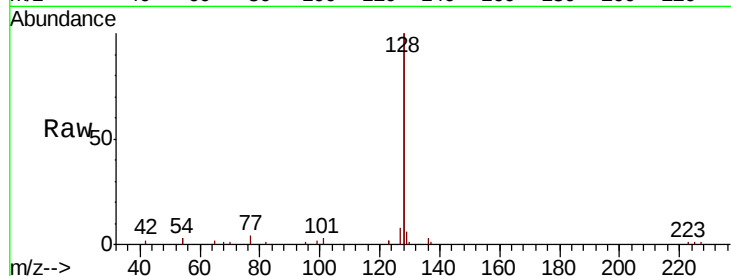
Tot Ion:128 Resp: 16083

Ion Ratio Lower Upper

128 100

129 3.2 3.0 4.6

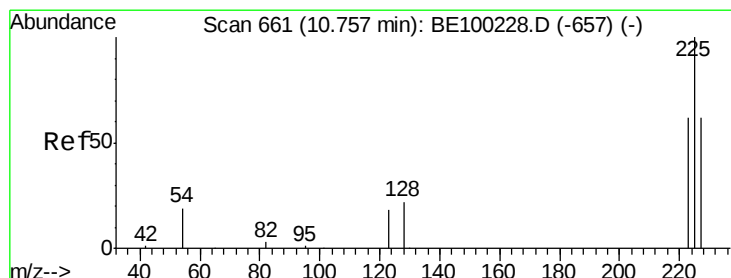
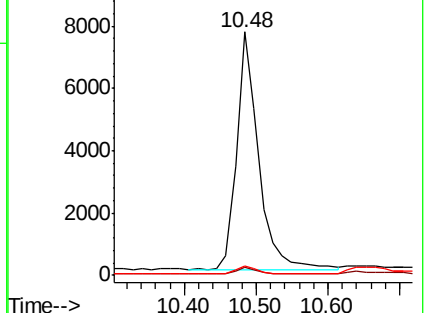
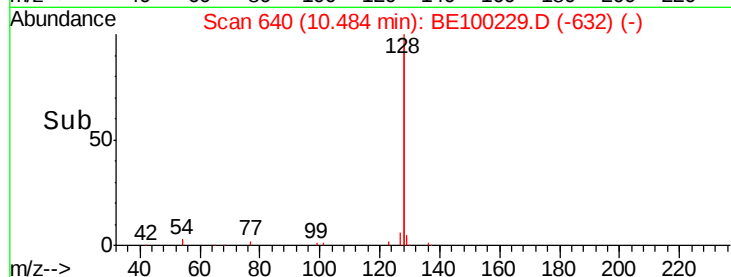
127 3.8 3.5 5.3



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: 0.749 ng

RT: 10.76 min Scan# 661

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

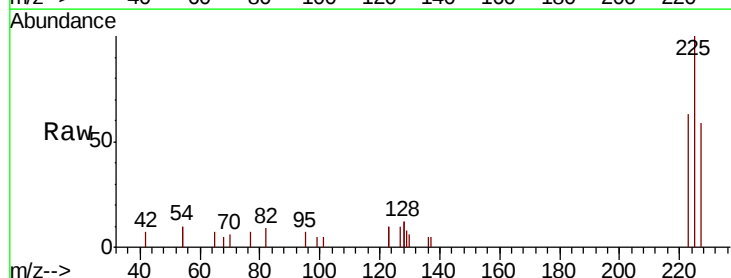
Tgt Ion:225 Resp: 1550

Ion Ratio Lower Upper

225 100

223 61.2 49.1 73.7

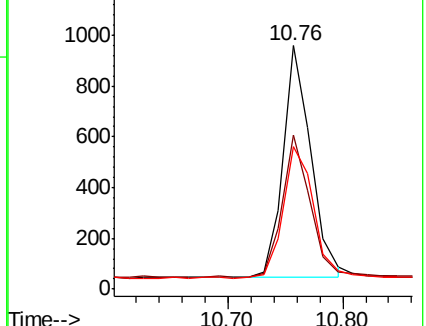
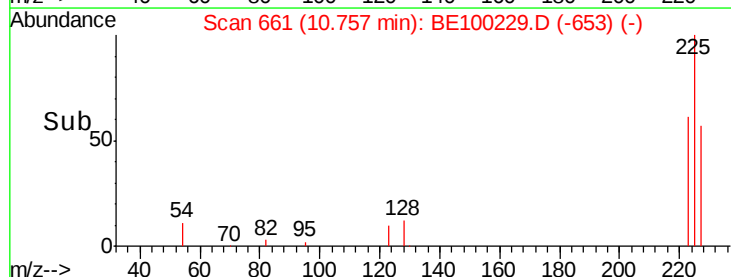
227 61.7 49.3 73.9

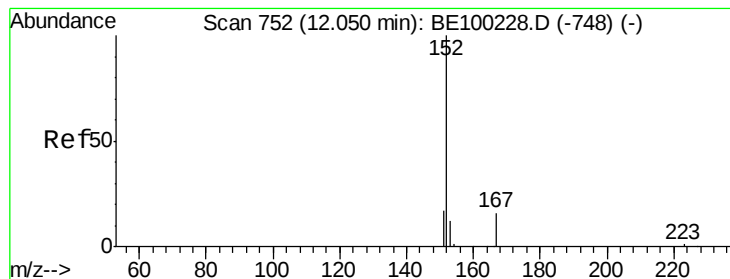


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.790 ng

RT: 12.05 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

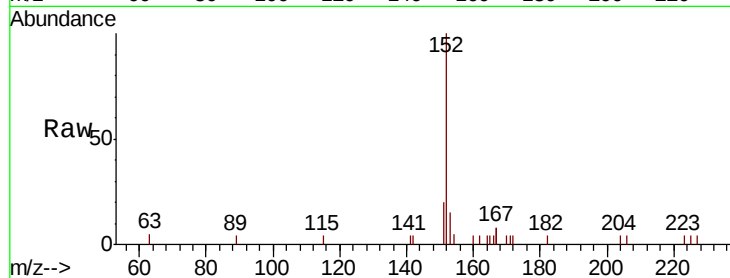
SSTDIC0.8

Tot Ion:152 Resp: 2721

Ion Ratio Lower Upper

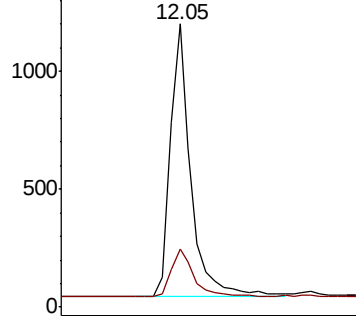
152 100

151 18.6 15.1 22.7

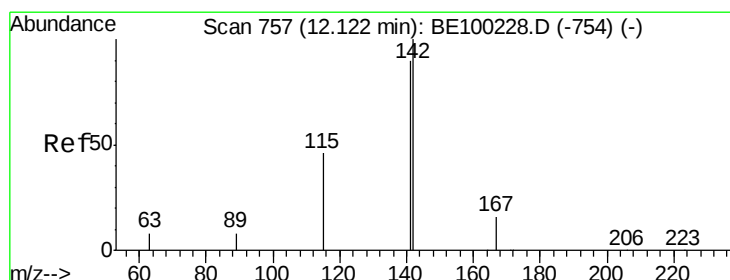
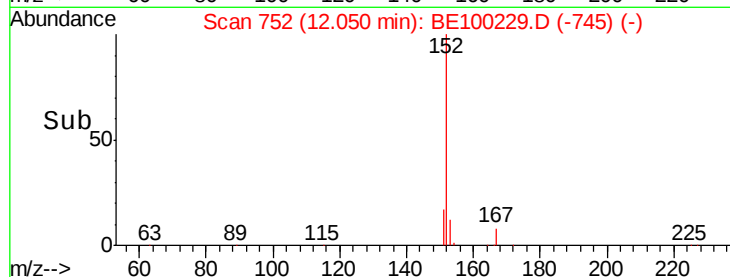


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



Time-->



#12

2-Methylnaphthalene

Concen: 0.834 ng

RT: 12.12 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

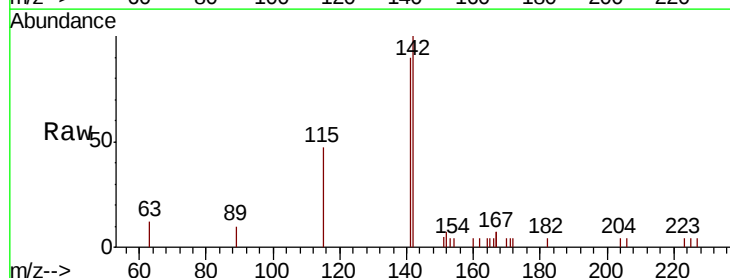
Tgt Ion:142 Resp: 2692

Ion Ratio Lower Upper

142 100

141 89.8 72.4 108.6

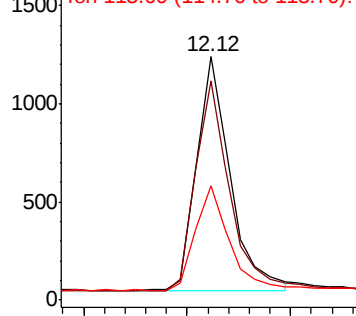
115 46.9 40.4 60.6



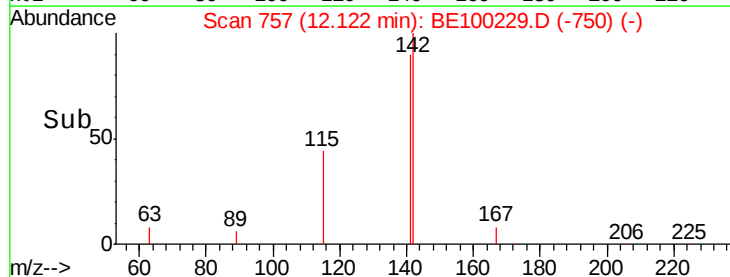
Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 909

Delta R.T. 0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

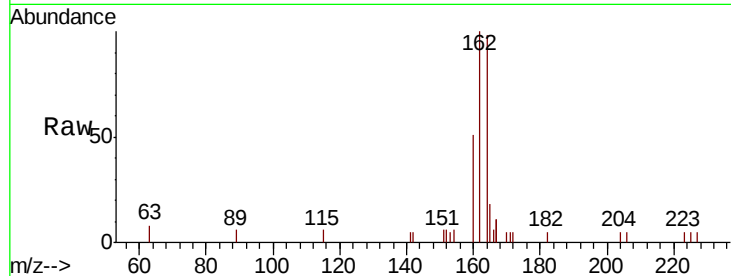
Tot Ion:164 Resp: 1497

Ion Ratio Lower Upper

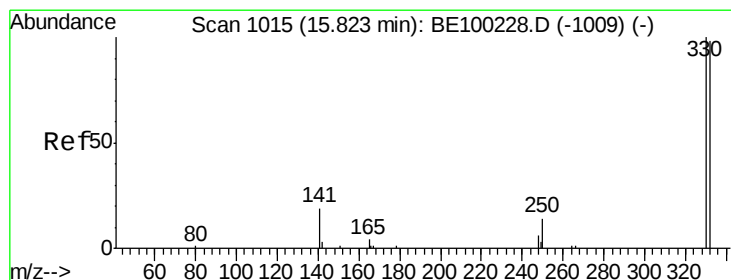
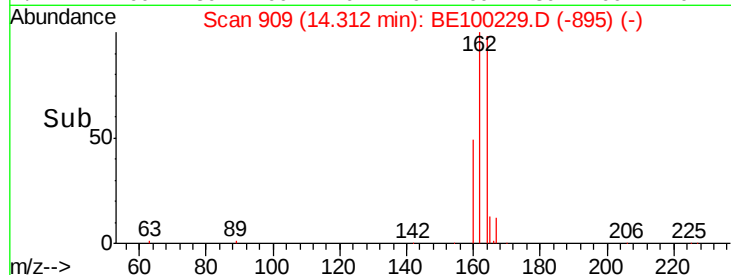
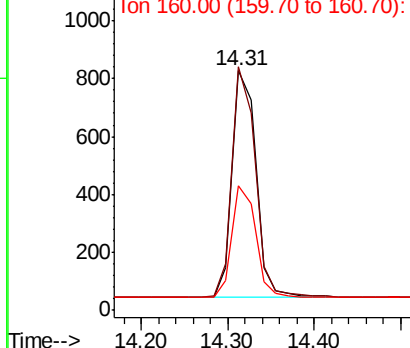
164 100

162 101.8 83.4 125.0

160 52.3 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

2,4,6-Tribromophenol

Concen: 0.963 ng

RT: 15.81 min Scan# 1014

Delta R.T. -0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

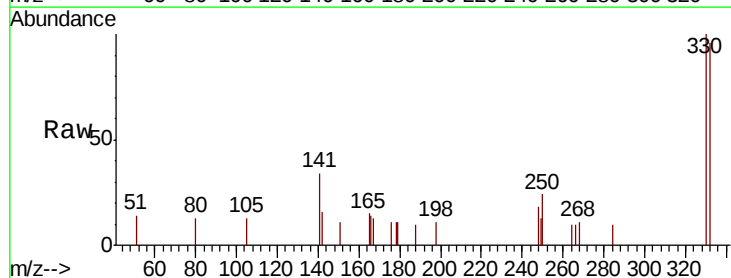
Tgt Ion:330 Resp: 835

Ion Ratio Lower Upper

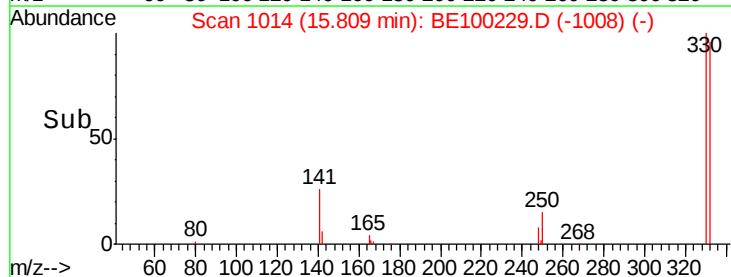
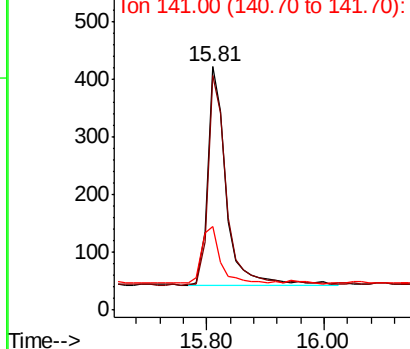
330 100

332 97.0 77.0 115.4

141 27.2 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

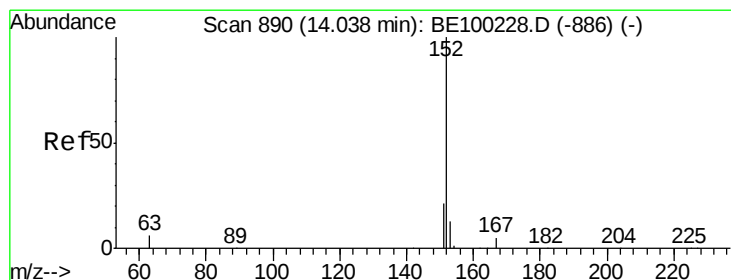
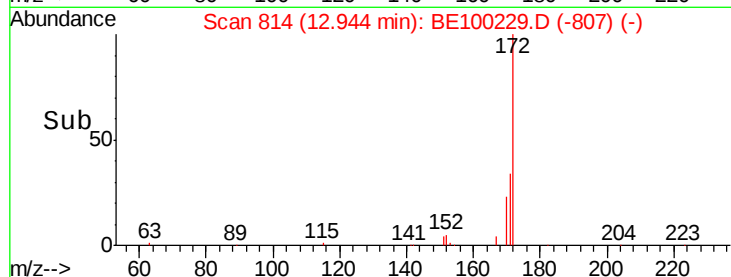
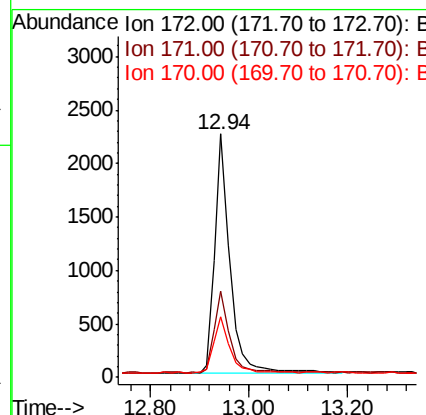
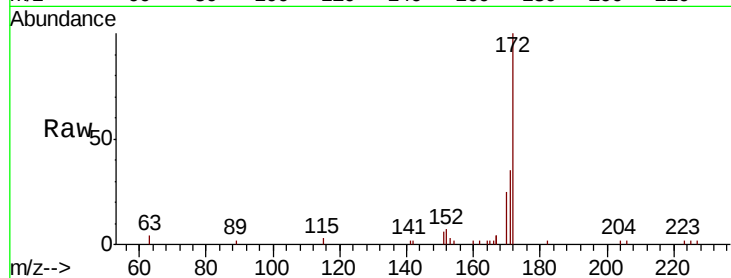




#15
2-Fluorobiphenyl
Concen: 0.792 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100229.D
Acq: 28 Jun 2019 11:01

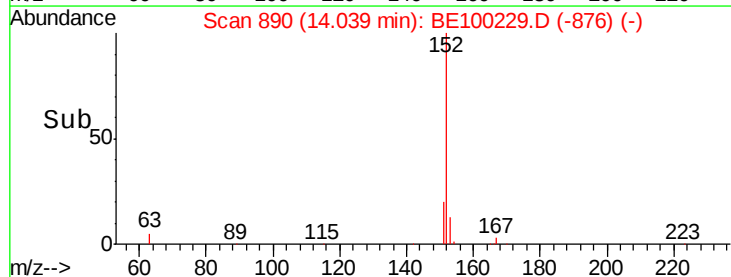
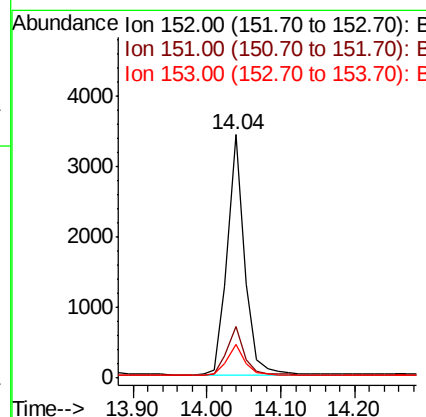
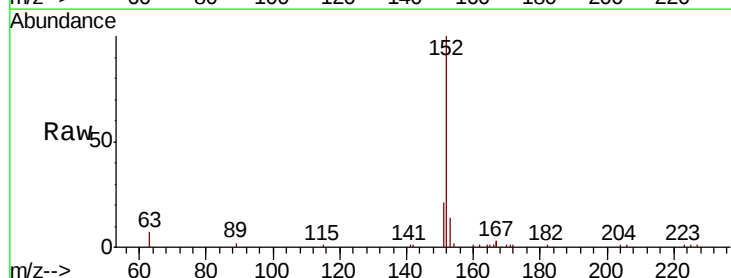
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

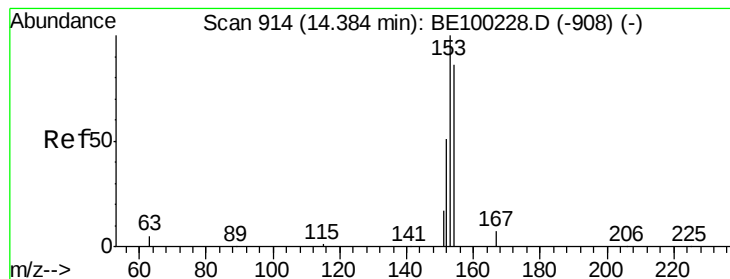
Tot Ion:172 Resp: 4755
Ion Ratio Lower Upper
172 100
171 35.2 31.9 47.9
170 25.0 22.2 33.2



#16
Acenaphthylene
Concen: 0.763 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100229.D
Acq: 28 Jun 2019 11:01

Tgt Ion:152 Resp: 5566
Ion Ratio Lower Upper
152 100
151 19.9 16.6 25.0
153 13.0 10.5 15.7





#17

Acenaphthene

Concen: 0.765 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

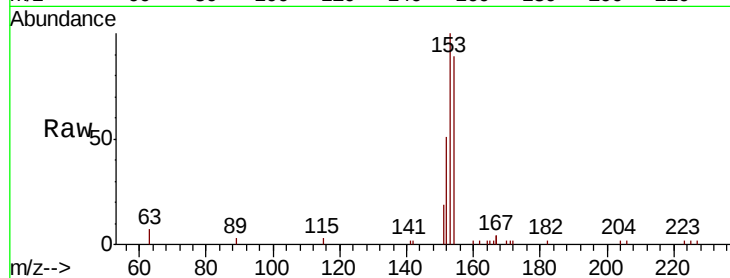
Tot Ion:154 Resp: 3129

Ion Ratio Lower Upper

154 100

153 118.4 93.4 140.2

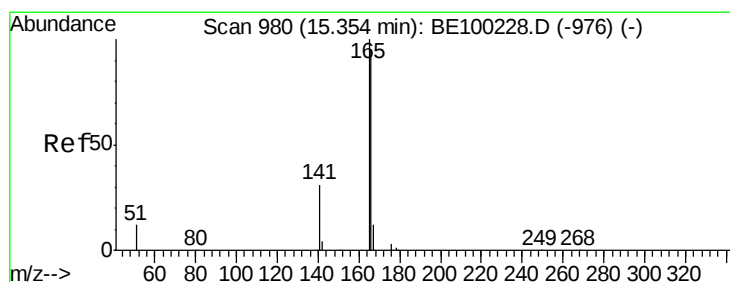
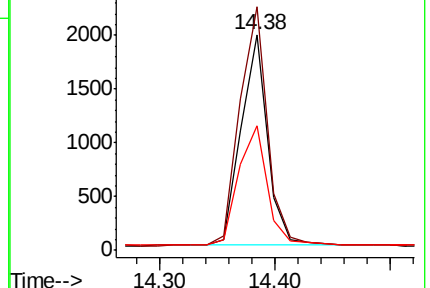
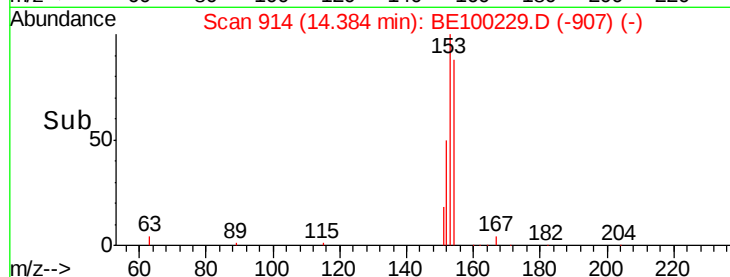
152 62.1 49.4 74.2



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: 0.792 ng

RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

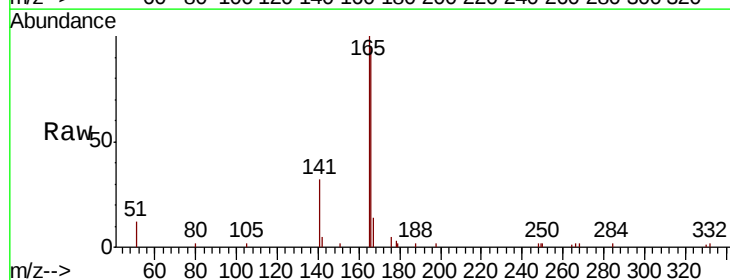
Tgt Ion:166 Resp: 4686

Ion Ratio Lower Upper

166 100

165 101.6 81.1 121.7

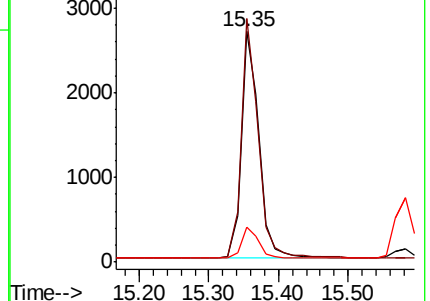
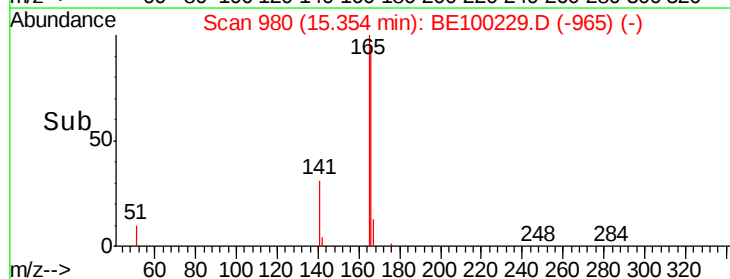
167 13.6 10.7 16.1

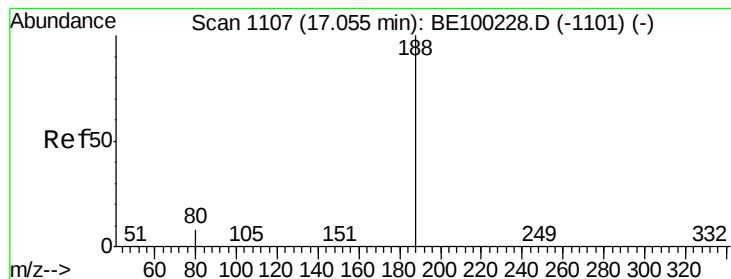


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1107

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

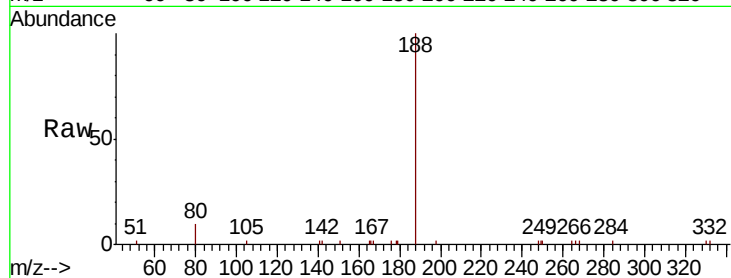
Tot Ion:188 Resp: 4553

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

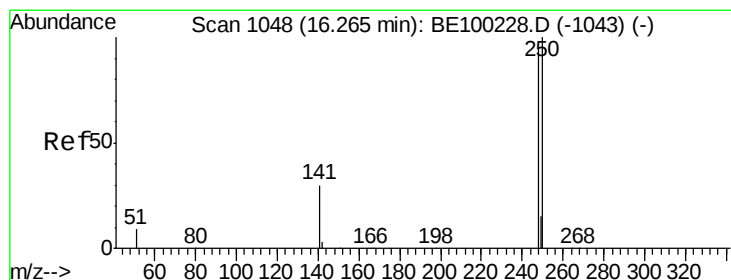
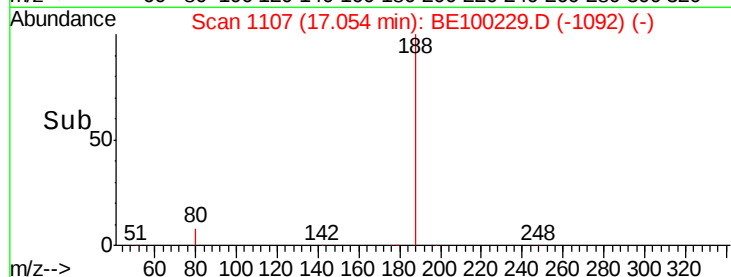
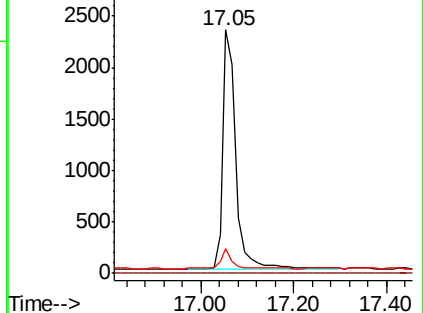
80 10.1 7.6 11.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE1

Ion 80.00 (79.70 to 80.70): BE1



#20

4-Bromophenyl-phenylether

Concen: 0.778 ng

RT: 16.25 min Scan# 1047

Delta R.T. -0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

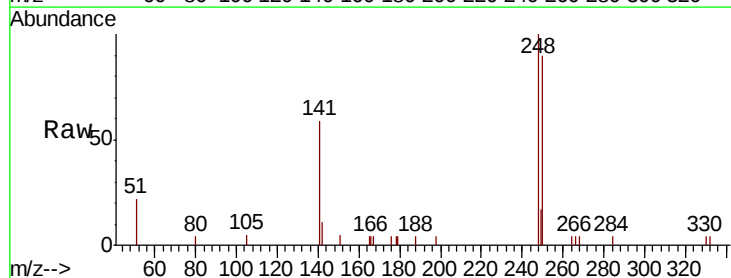
Tgt Ion:248 Resp: 2199

Ion Ratio Lower Upper

248 100

250 89.9 84.2 126.4

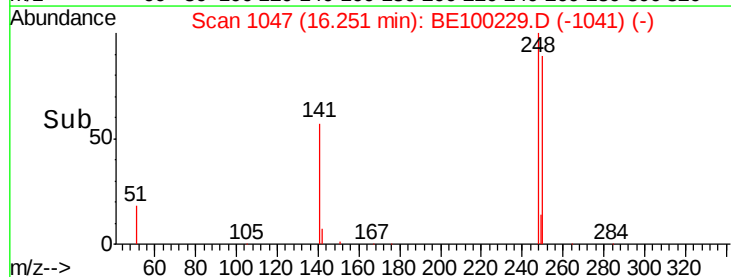
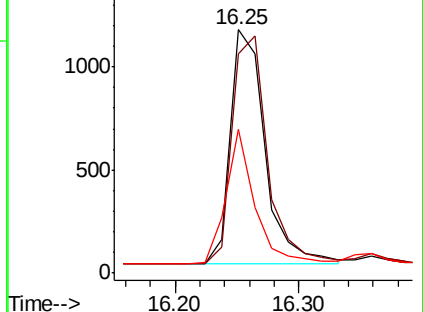
141 59.2 29.3 43.9#

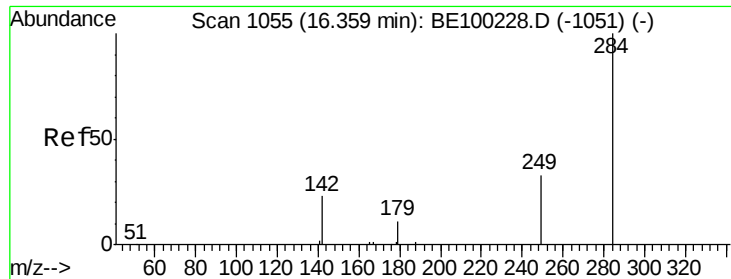


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.767 ng

RT: 16.36 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

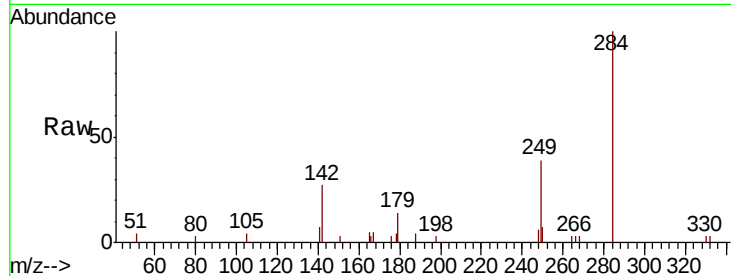
Tot Ion:284 Resp: 2377

Ion Ratio Lower Upper

284 100

142 23.4 18.8 28.2

249 31.5 23.7 35.5

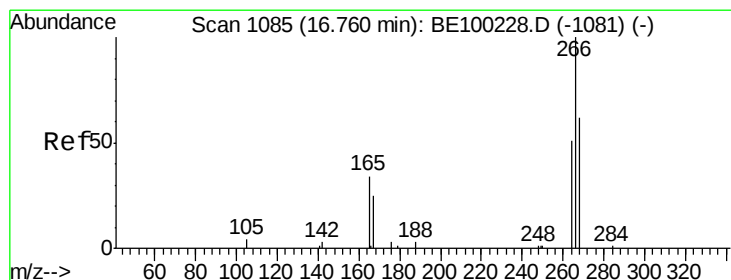
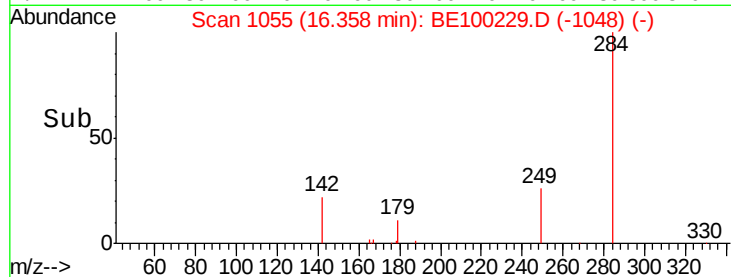
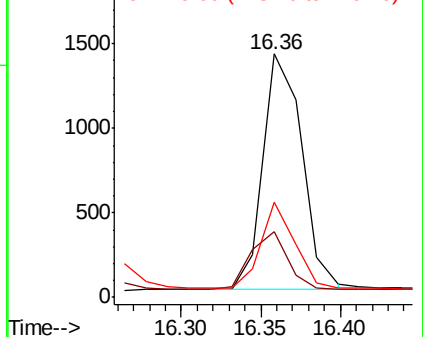


Abundance

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: 0.898 ng

RT: 16.73 min Scan# 1083

Delta R.T. -0.03 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

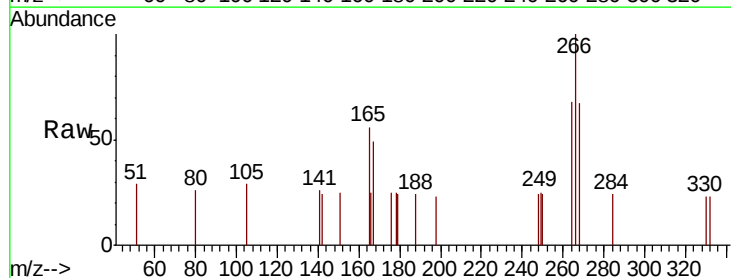
Tgt Ion:266 Resp: 655

Ion Ratio Lower Upper

266 100

264 67.9 56.2 84.2

268 67.4 61.8 92.6

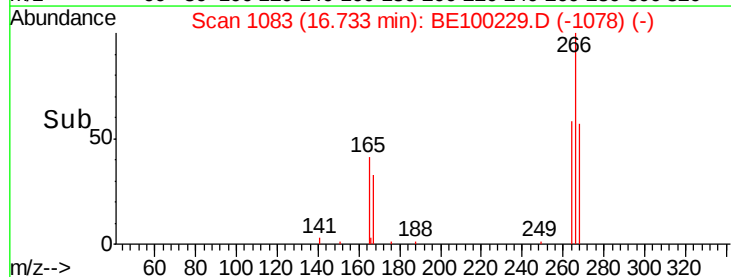
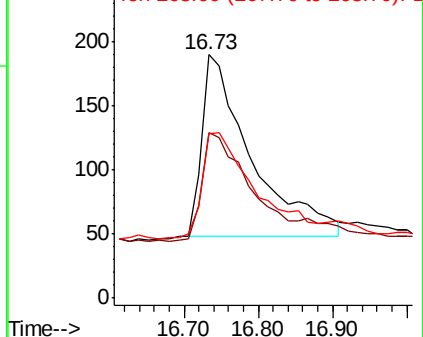


Abundance

Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.813 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

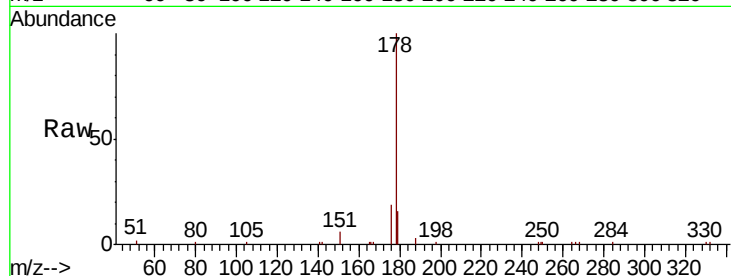
Tot Ion:178 Resp: 8763

Ion Ratio Lower Upper

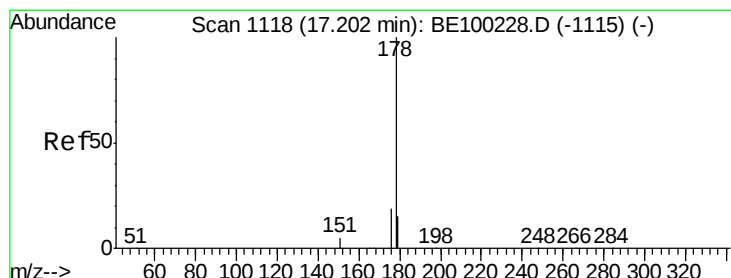
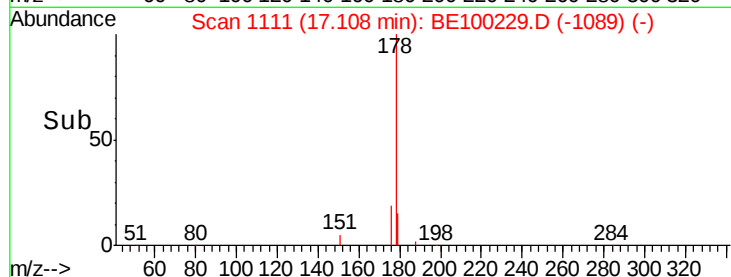
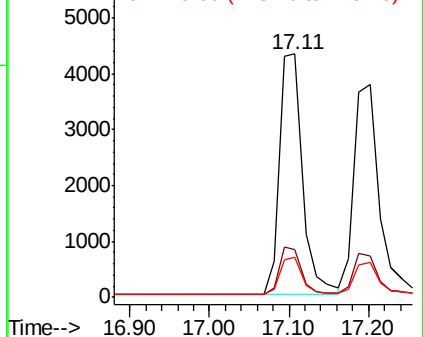
178 100

176 19.5 15.9 23.9

179 14.9 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



#24

Anthracene

Concen: 0.876 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

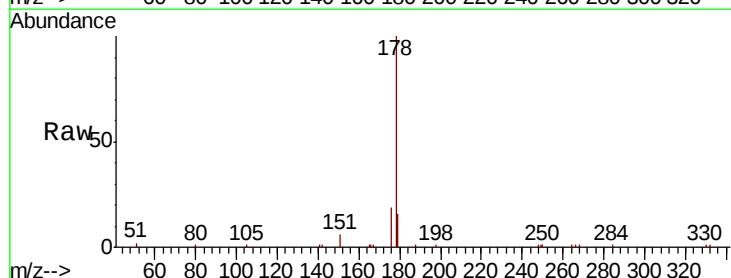
Tgt Ion:178 Resp: 7980

Ion Ratio Lower Upper

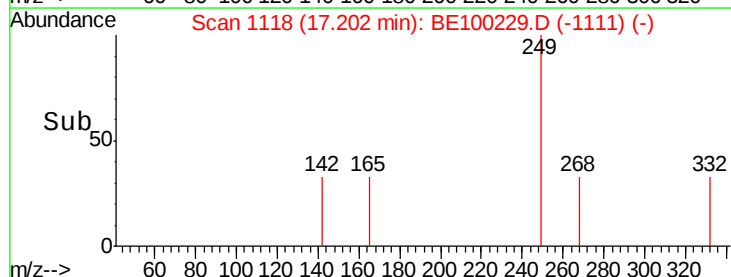
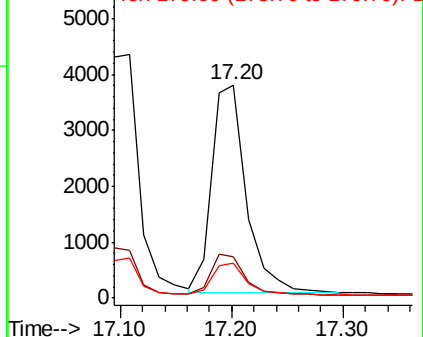
178 100

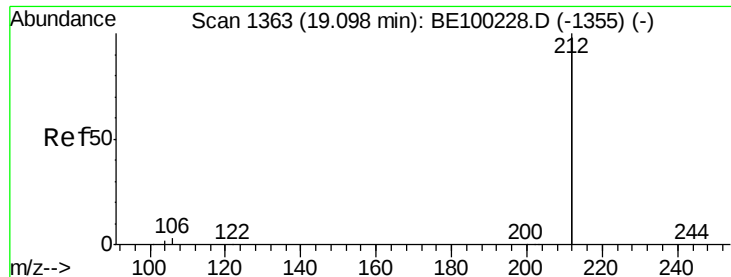
176 18.8 15.3 22.9

179 14.7 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: 0.782 ng

RT: 19.09 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

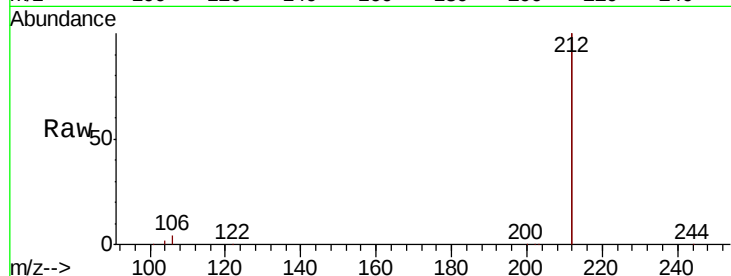
Tot Ion:212 Resp: 51308

Ion Ratio Lower Upper

212 100

106 1.6 1.3 1.9

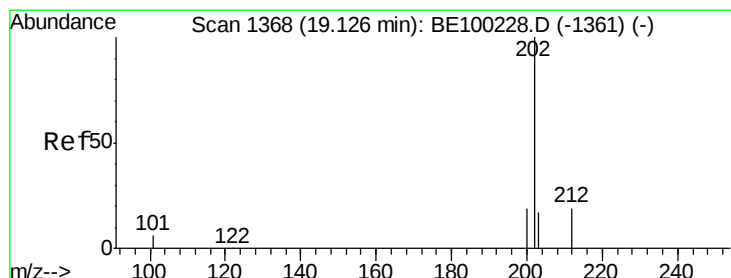
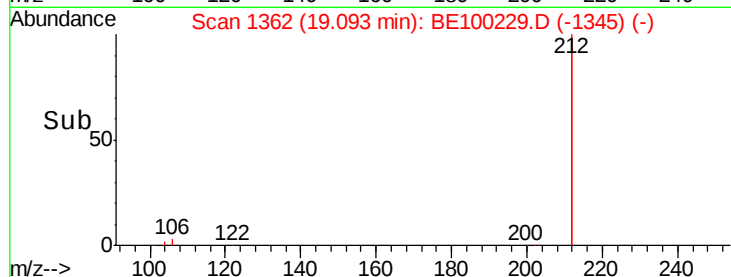
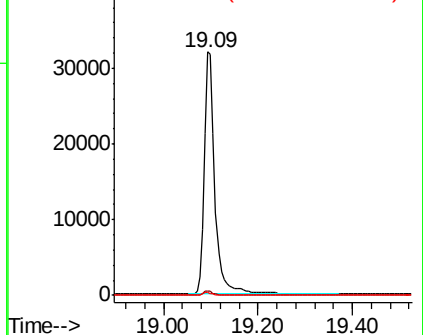
104 0.9 0.8 1.2



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: 0.788 ng

RT: 19.12 min Scan# 1367

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

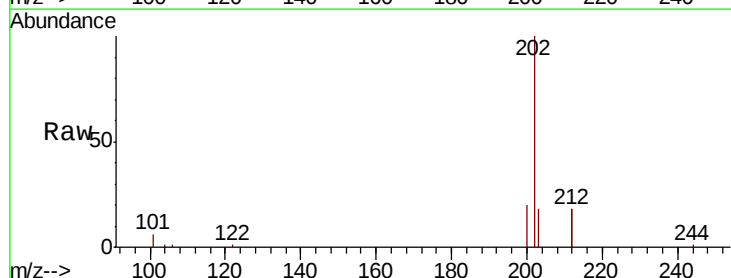
Tgt Ion:202 Resp: 13832

Ion Ratio Lower Upper

202 100

101 5.9 4.6 7.0

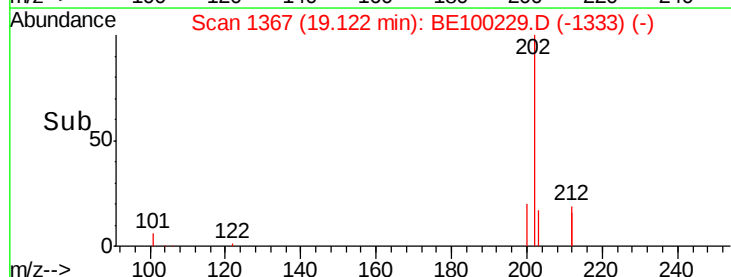
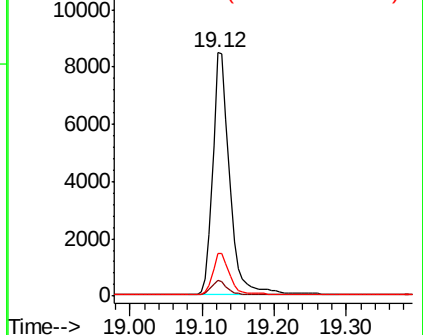
203 16.8 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

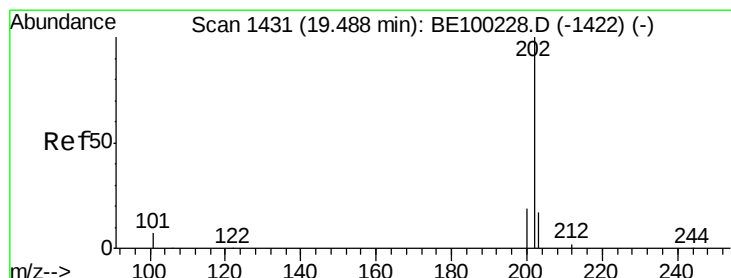
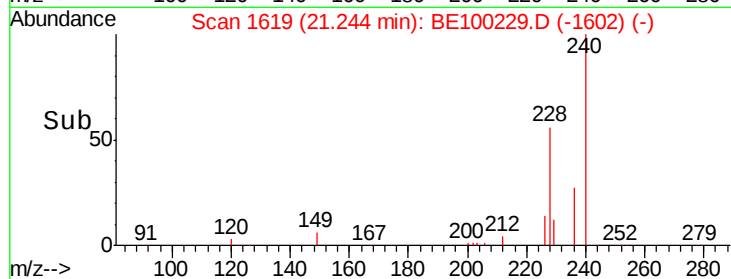
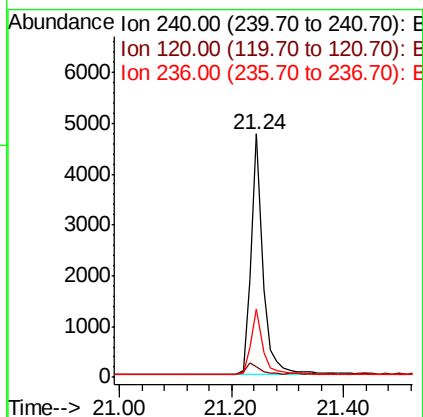
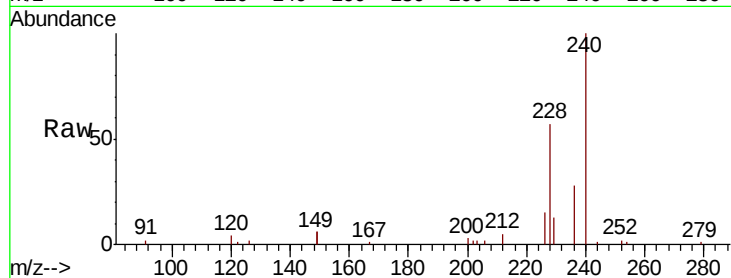




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.24 min Scan# 1619
 Delta R.T. -0.00 min
 Lab File: BE100229.D
 Acq: 28 Jun 2019 11:01

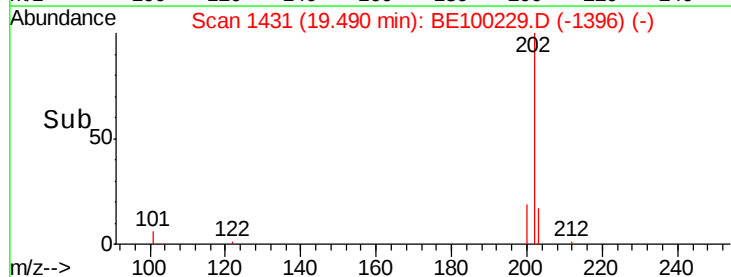
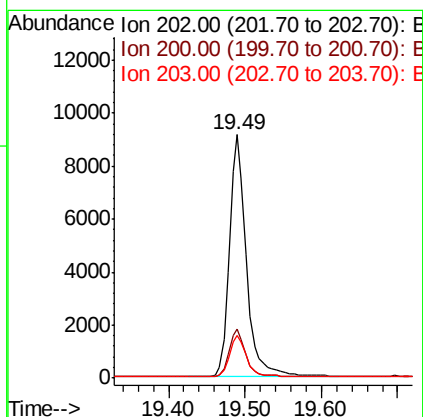
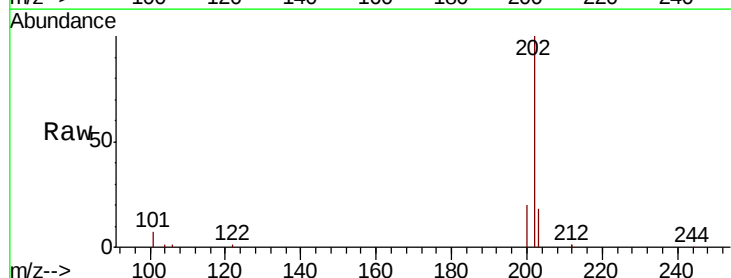
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tot Ion:240 Resp: 7045
 Ion Ratio Lower Upper
 240 100
 120 4.1 3.3 4.9
 236 28.1 22.6 34.0



#28
 Pyrene
 Concen: 0.787 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100229.D
 Acq: 28 Jun 2019 11:01

Tgt Ion:202 Resp: 14190
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.6 23.4
 203 17.5 14.0 21.0





#29

Terphenyl-d14

Concen: 0.839 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

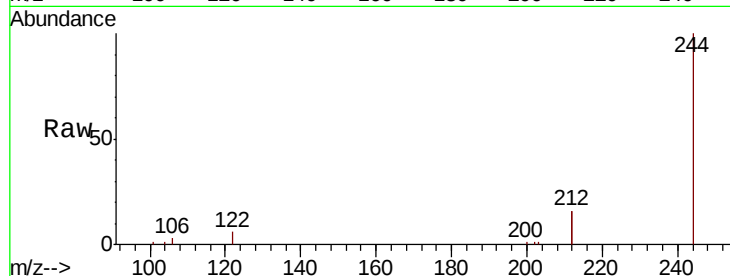
Tot Ion:244 Resp: 11603

Ion Ratio Lower Upper

244 100

212 32.2 27.3 40.9

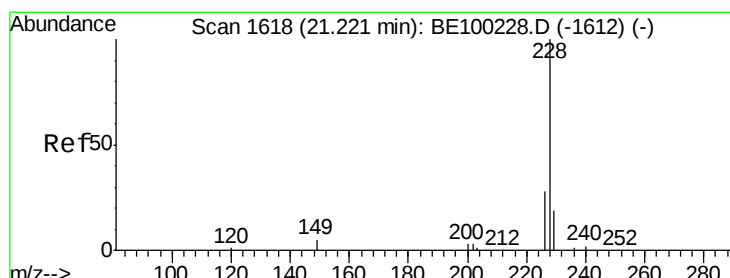
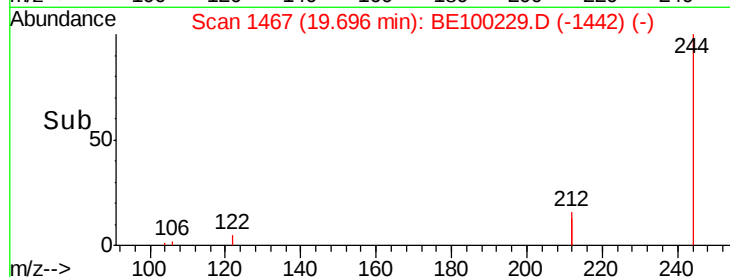
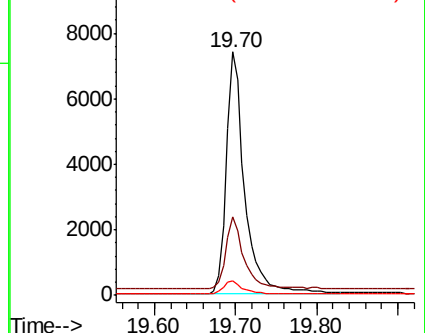
122 6.1 4.7 7.1



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: 0.866 ng

RT: 21.23 min Scan# 1618

Delta R.T. 0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

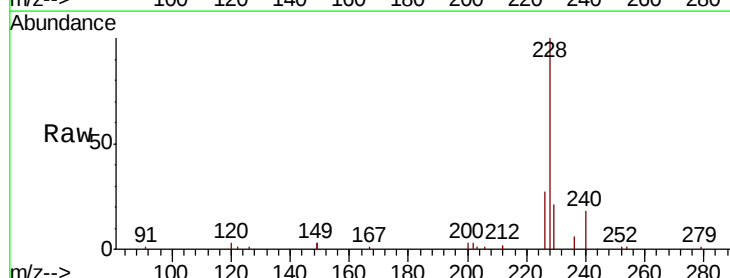
Tgt Ion:228 Resp: 17988

Ion Ratio Lower Upper

228 100

226 27.0 23.2 34.8

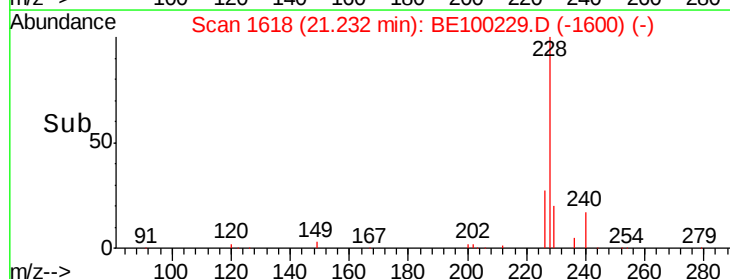
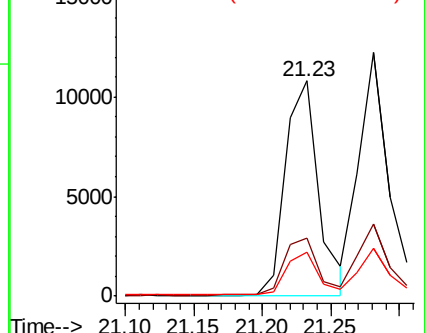
229 20.6 15.7 23.5



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: 0.752 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

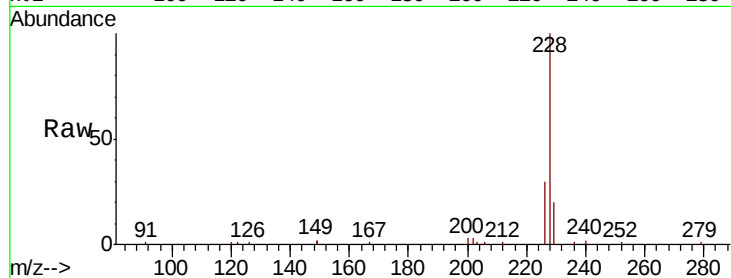
Tot Ion:228 Resp: 18325

Ion Ratio Lower Upper

228 100

226 29.5 23.9 35.9

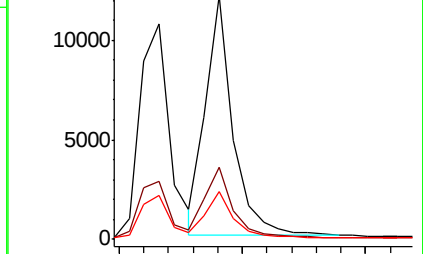
229 19.6 16.5 24.7



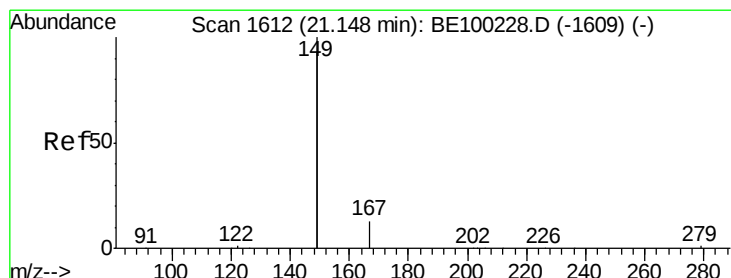
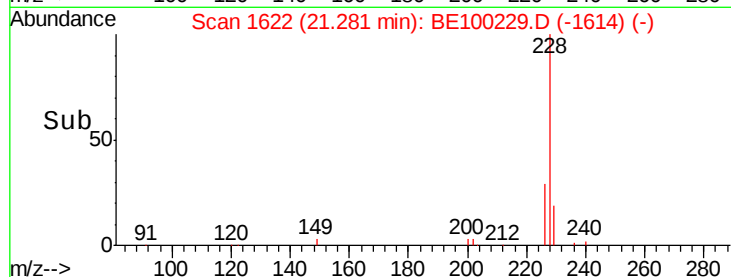
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.20 21.30 21.40



#32

Bis(2-ethylhexyl)phthalate

Concen: 1.111 ng

RT: 21.15 min Scan# 1611

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

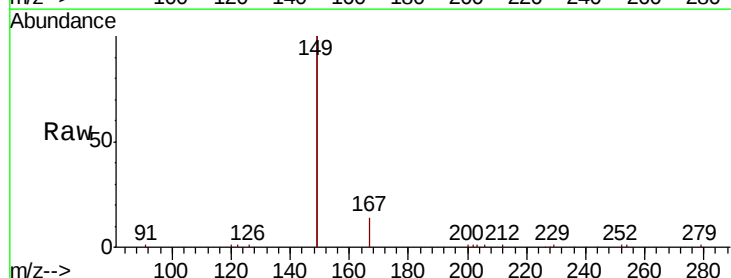
Tgt Ion:149 Resp: 26524

Ion Ratio Lower Upper

149 100

167 7.6 5.8 8.8

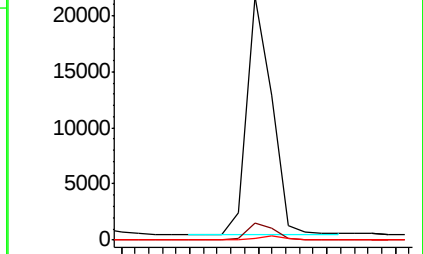
279 1.4 1.1 1.7



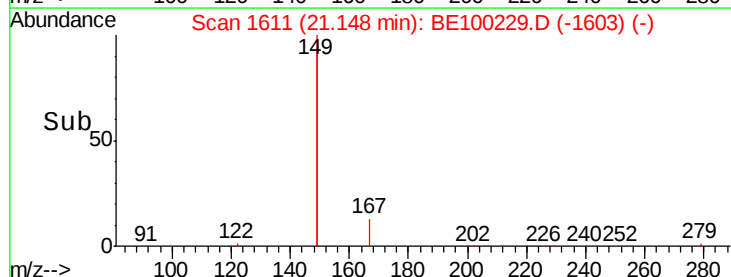
Abundance Ion 149.00 (148.70 to 149.70): E

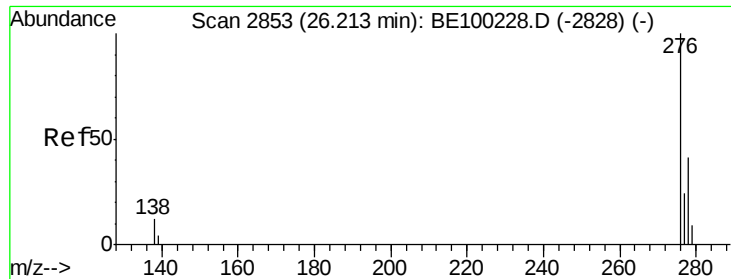
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time--> 21.05 21.10 21.15 21.20





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.704 ng

RT: 26.22 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

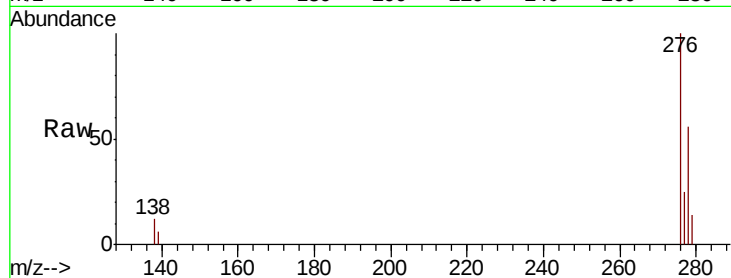
Tot Ion:276 Resp: 24422

Ion Ratio Lower Upper

276 100

138 11.5 9.4 14.0

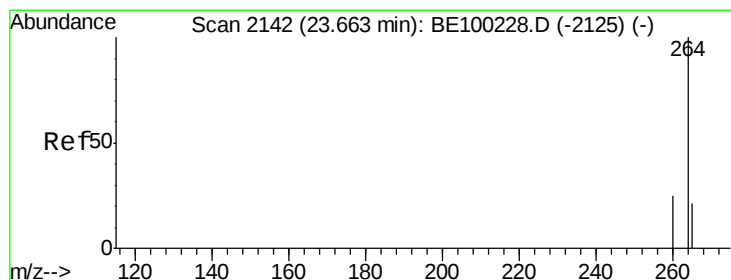
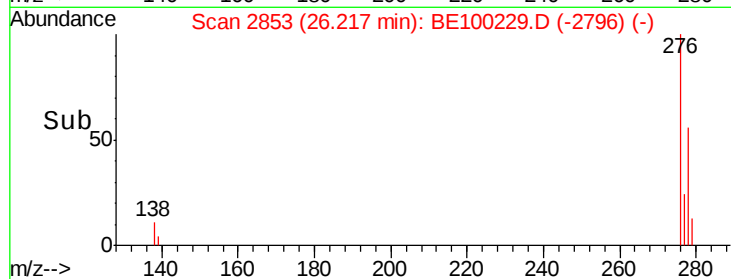
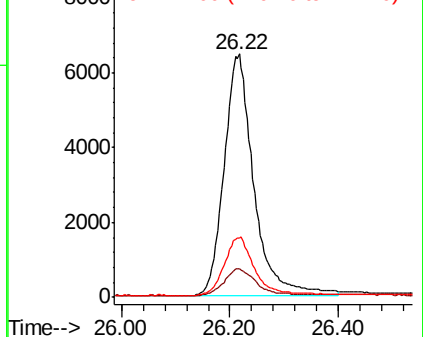
277 24.4 19.2 28.8



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# 2142

Delta R.T. 0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

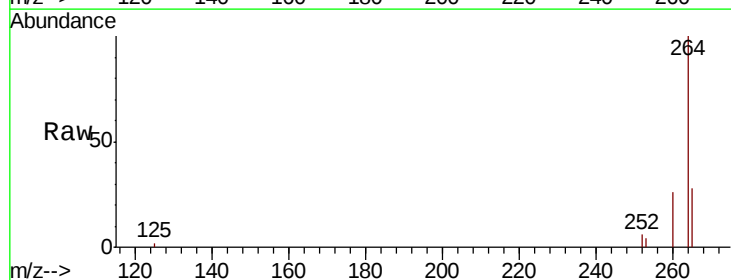
Tgt Ion:264 Resp: 8704

Ion Ratio Lower Upper

264 100

260 25.9 20.8 31.2

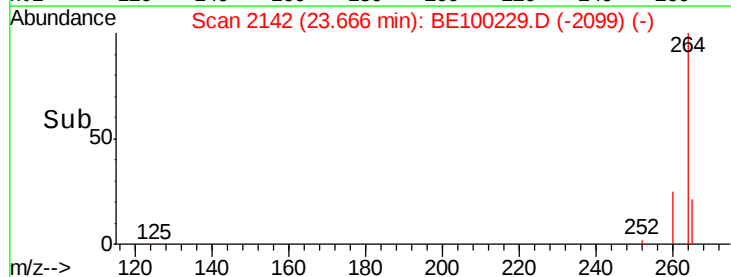
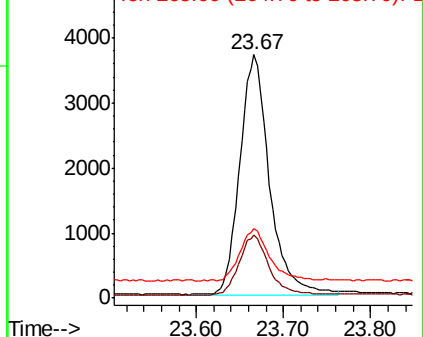
265 28.3 21.8 32.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.779 ng

RT: 22.92 min Scan# 1932

Delta R.T. -0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

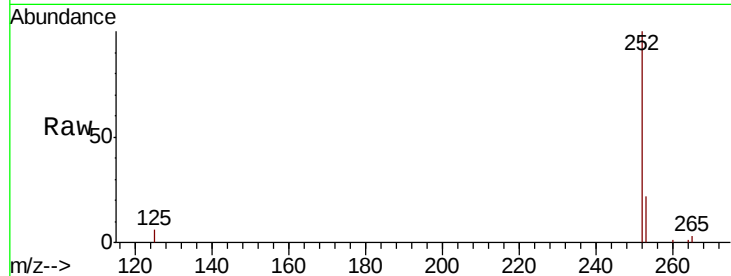
Tot Ion:252 Resp: 18230

Ion Ratio Lower Upper

252 100

253 22.4 19.2 28.8

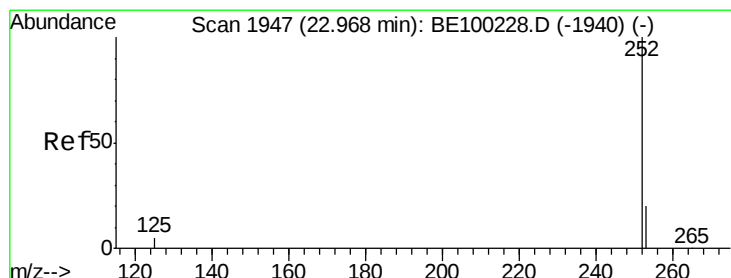
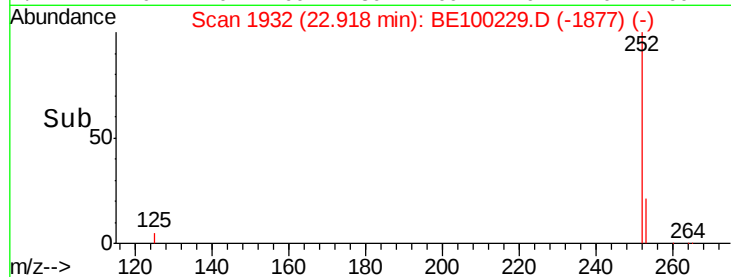
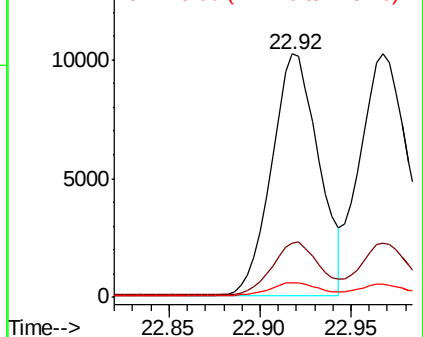
125 6.0 7.4 11.0#



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



#36

Benzo(k)fluoranthene

Concen: 0.732 ng

RT: 22.97 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

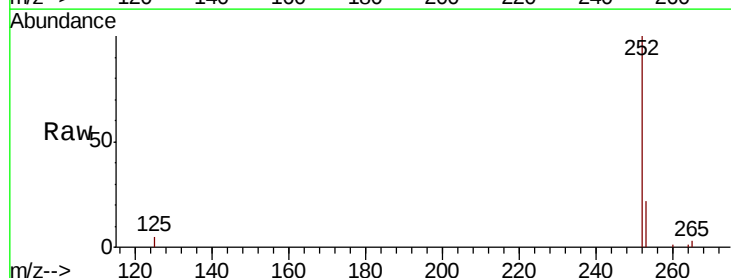
Tgt Ion:252 Resp: 20502

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

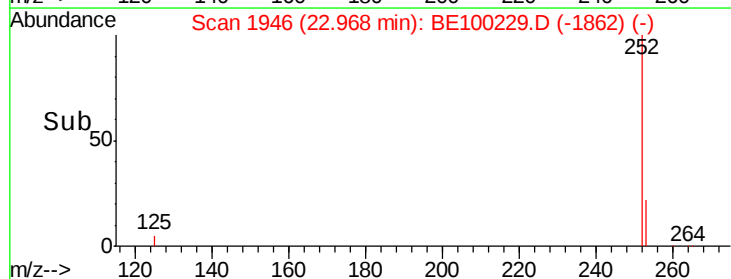
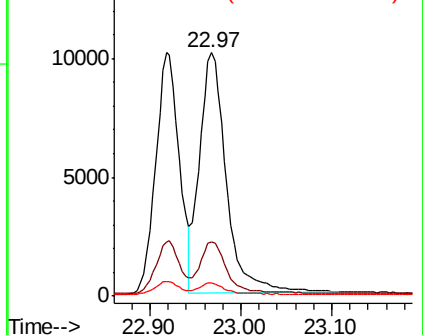
125 5.4 5.0 7.4



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

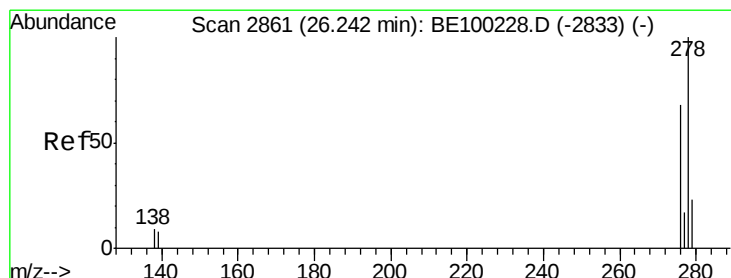
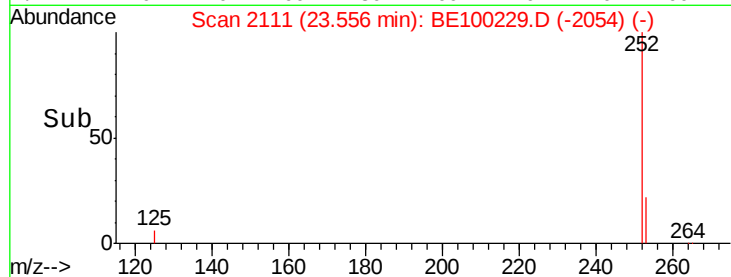
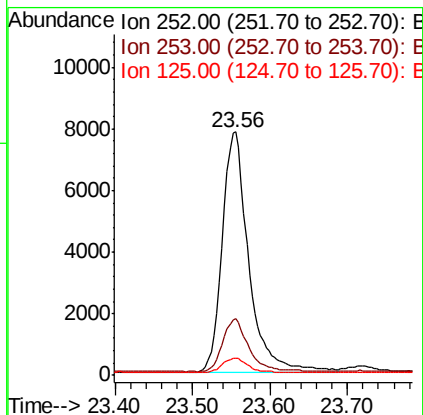
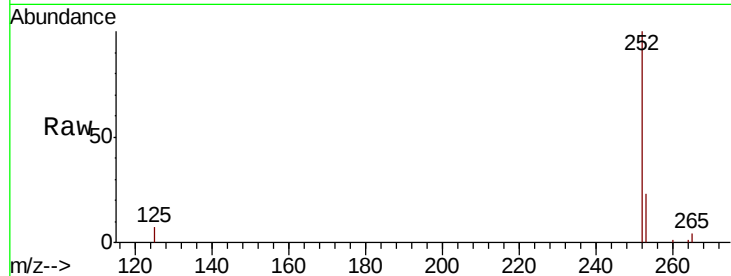




#37
Benzo(a)pyrene
Concen: 0.766 ng
RT: 23.56 min Scan# 2111
Delta R.T. 0.00 min
Lab File: BE100229.D
Acq: 28 Jun 2019 11:01

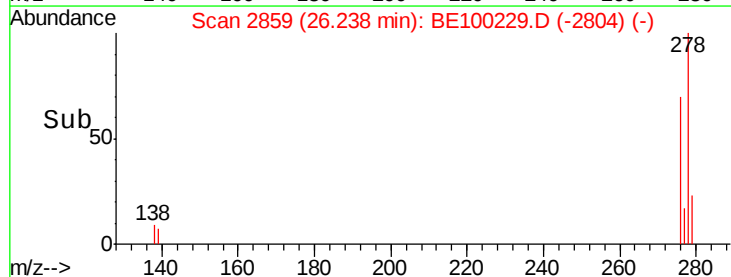
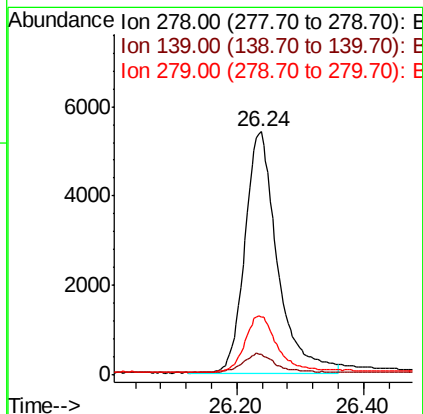
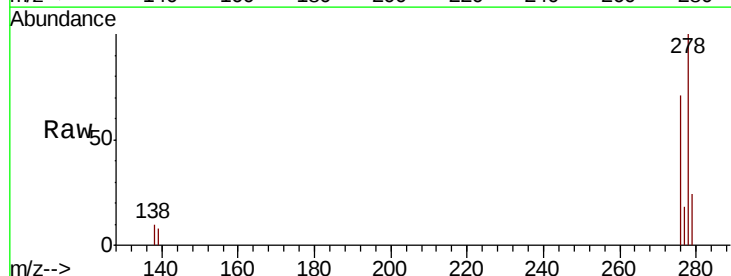
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tot Ion:252 Resp: 18578
Ion Ratio Lower Upper
252 100
253 23.3 19.6 29.4
125 7.0 9.0 13.6#



#38
Dibenzo(a,h)anthracene
Concen: 0.737 ng
RT: 26.24 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE100229.D
Acq: 28 Jun 2019 11:01

Tgt Ion:278 Resp: 19131
Ion Ratio Lower Upper
278 100
139 8.4 8.2 12.2
279 23.9 20.3 30.5





#39

Benzo(a,h,i)perylene

Concen: 0.743 ng

RT: 27.00 min Scan# 3072

Delta R.T. -0.01 min

Lab File: BE100229.D

Acq: 28 Jun 2019 11:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

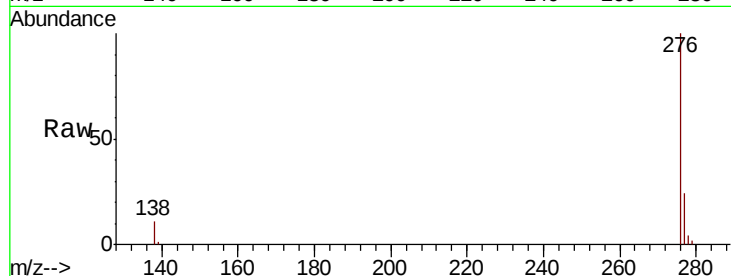
Tot Ion: 276 Resp: 20126

Ion Ratio Lower Upper

276 100

277 24.1 20.2 30.2

138 10.8 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

