

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE070219\
 Data File : BE100320.D
 Acq On : 3 Jul 2019 1:55
 Operator : JU/SJ
 Sample : K3558-12 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

Quant Time: Jul 03 04:12:45 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	838	0.40	ng	0.00
7) Naphthalene-d8	10.44	136	3045	0.40	ng	0.00
13) Acenaphthene-d10	14.31	164	2308	0.40	ng	0.00
19) Phenanthrene-d10	17.07	188	6494	0.40	ng	0.01
27) Chrysene-d12	21.25	240	8055	0.40	ng	0.00
34) Perylene-d12	23.68	264	9435	0.40	ng	0.02

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	50	0.02	ng	0.02
5) Phenol-d6	6.85	99	64	0.02	ng	0.01
8) Nitrobenzene-d5	8.85	82	55	0.02	ng	0.03
11) 2-Methylnaphthalene-d10	12.05	152	124	0.02	ng	0.00
14) 2,4,6-Tribromophenol	15.82	330	31	0.02	ng	0.00
15) 2-Fluorobiphenyl	12.94	172	186	0.02	ng	0.00
25) Fluoranthene-d10	19.10	212	1723	0.02	ng	0.00
29) Terphenyl-d14	19.70	244	451	0.03	ng	0.00

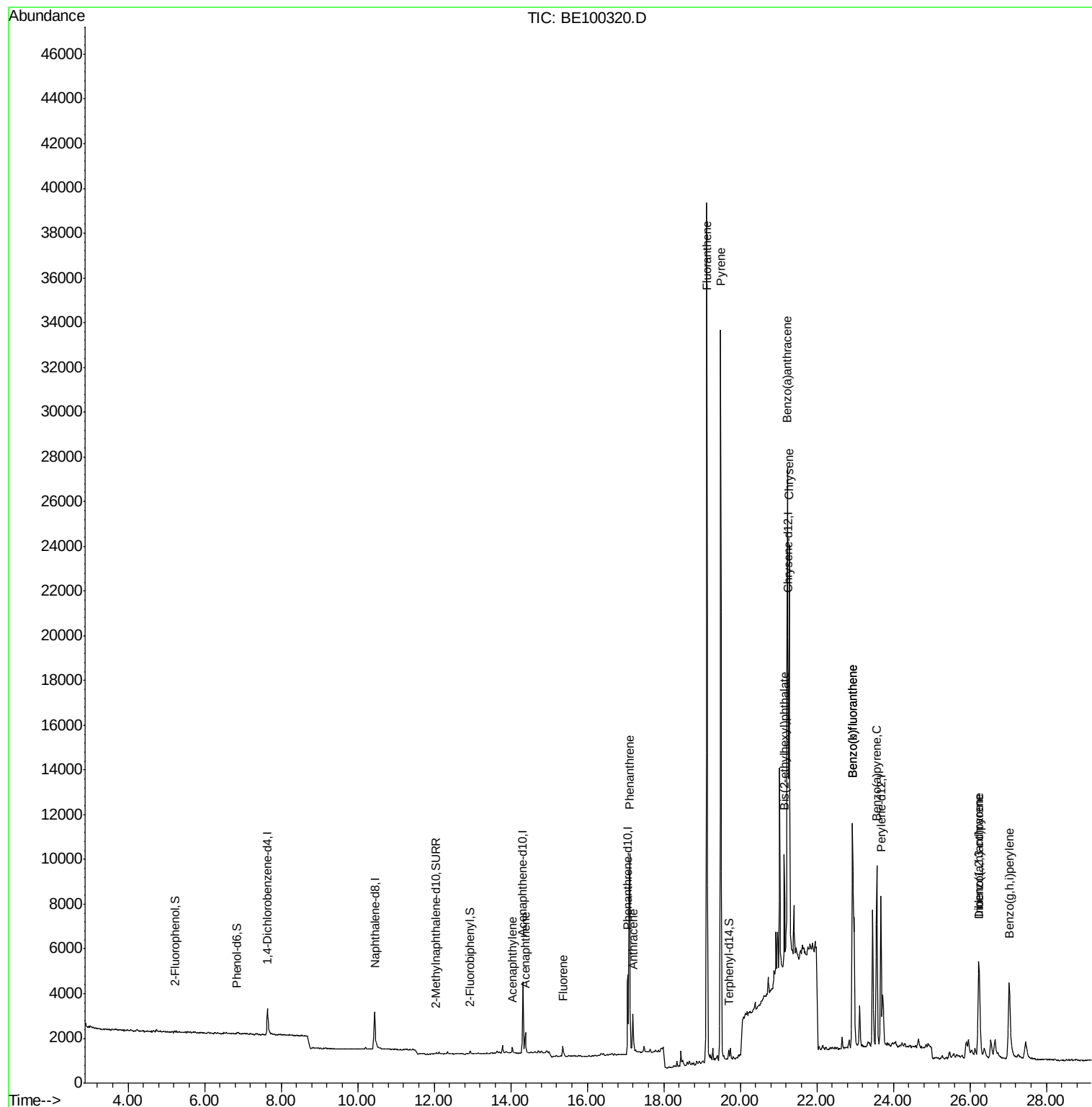
Target Compounds				Qvalue		
16) Acenaphthylene	14.04	152	456	0.041	ng	98
17) Acenaphthene	14.38	154	481	0.077	ng	99
18) Fluorene	15.37	166	456	0.049	ng	97
23) Phenanthrene	17.11	178	11041	0.701	ng	100
24) Anthracene	17.20	178	2384	0.168	ng	98
26) Fluoranthene	19.13	202	37536	1.497	ng	100
28) Pyrene	19.49	202	33134	1.554	ng	# 96
30) Benzo(a)anthracene	21.23	228	19386	0.732	ng	97
31) Chrysene	21.28	228	15444	0.581	ng	95
32) Bis(2-ethylhexyl)phthalate	21.15	149	6117	0.106	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.23	276	9679	0.275	ng	97
35) Benzo(b)fluoranthene	22.93	252	19632	0.767	ng	98
36) Benzo(k)fluoranthene	22.93	252	19632	0.688	ng	# 94
37) Benzo(a)pyrene	23.56	252	13562	0.529	ng	96
38) Dibenzo(a,h)anthracene	26.25	278	2043	0.076	ng	# 53
39) Benzo(g,h,i)perylene	27.03	276	9955	0.362	ng	# 93

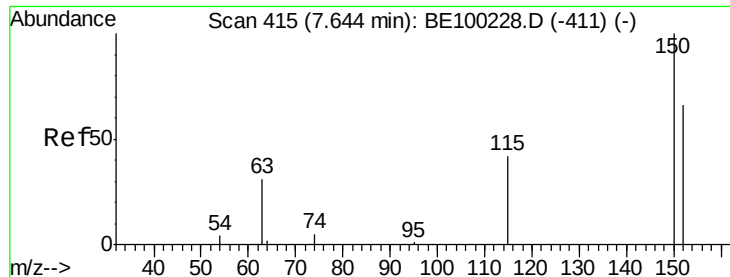
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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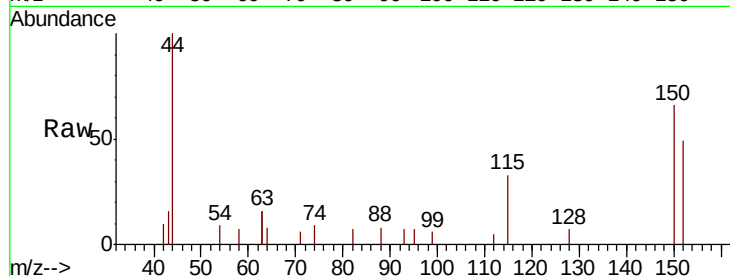


#1

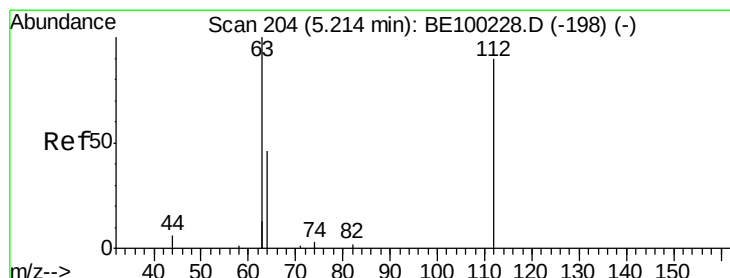
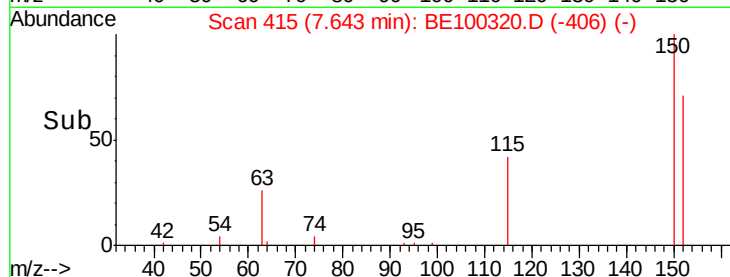
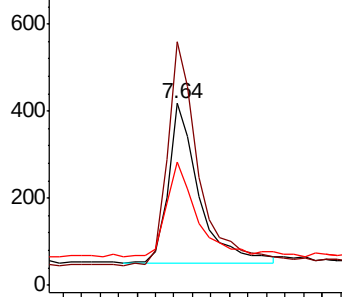
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Instrument :
BNA_E
ClientSampleId :
PST-032-B205-062519

Tgt Ion:152 Resp: 838
Ion Ratio Lower Upper
152 100
150 133.7 114.5 171.7
115 67.5 57.1 85.7



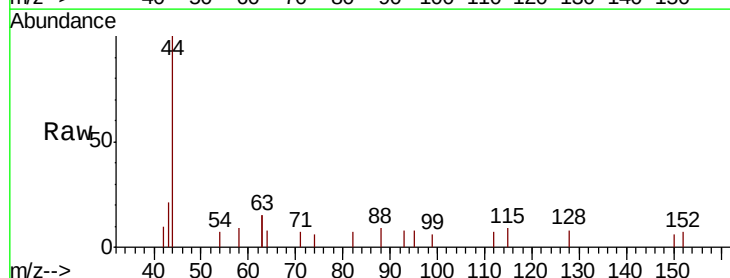
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



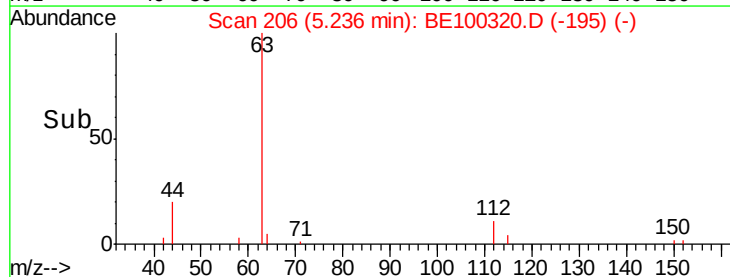
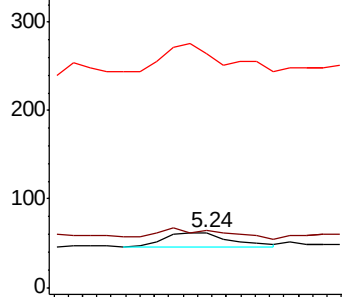
#4

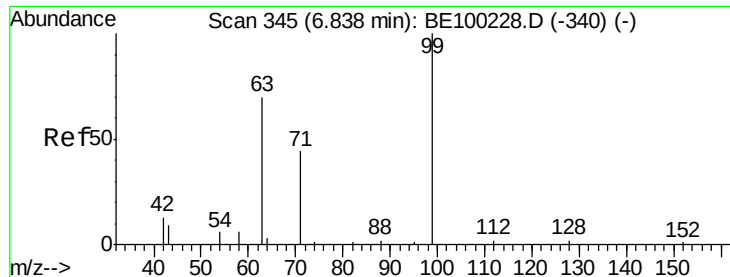
2-Fluorophenol
Concen: 0.023 ng
RT: 5.24 min Scan# 206
Delta R.T. 0.02 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion:112 Resp: 50
Ion Ratio Lower Upper
112 100
64 0.0 39.4 59.0#
63 0.0 104.5 156.7#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE1
Ion 63.00 (62.70 to 63.70): BE1





#5

Phenol-d6

Concen: 0.023 ng

RT: 6.85 min Scan# 346

Delta R.T. 0.01 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

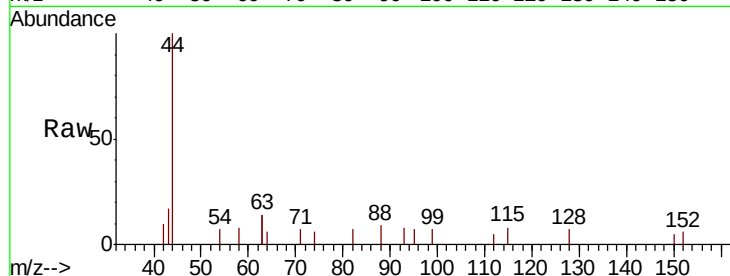
Tgt Ion: 99 Resp: 64

Ion Ratio Lower Upper

99 100

42 51.6 11.2 16.8#

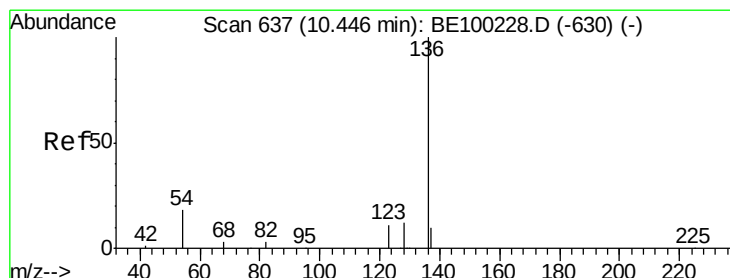
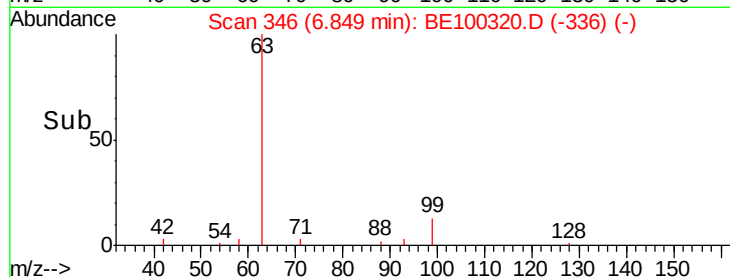
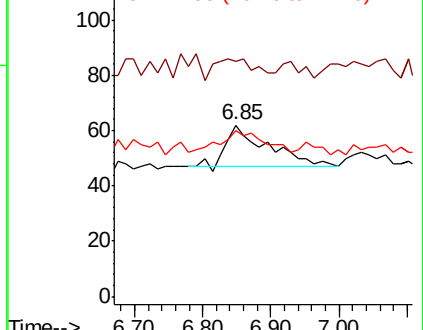
71 54.7 37.2 55.8



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



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.44 min Scan# 637

Delta R.T. -0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Tgt Ion: 136 Resp: 3045

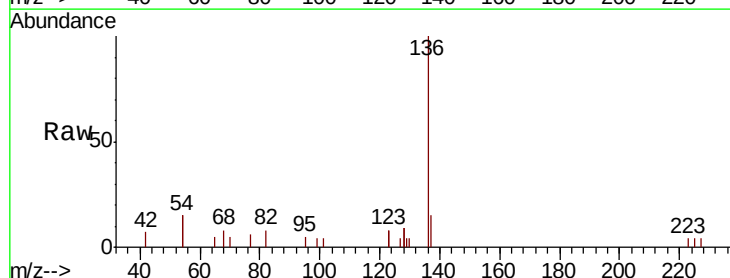
Ion Ratio Lower Upper

136 100

137 15.0 11.8 17.8

54 30.9 27.7 41.5

68 7.5 6.8 10.2

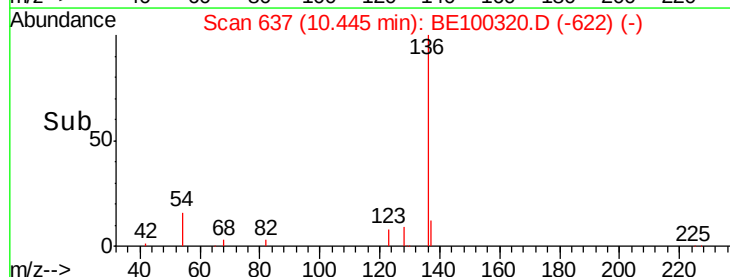
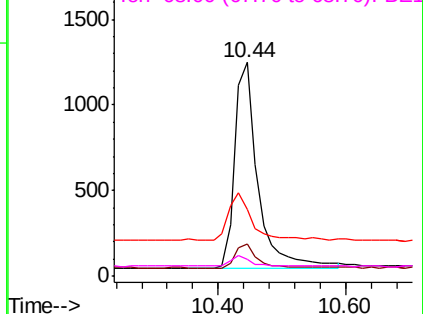


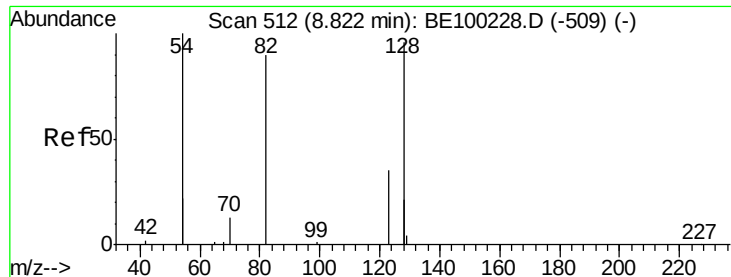
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.018 ng

RT: 8.85 min Scan# 514

Delta R.T. 0.03 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

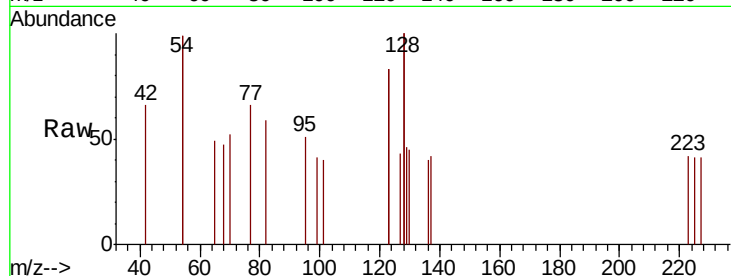
Tgt Ion: 82 Resp: 55

Ion Ratio Lower Upper

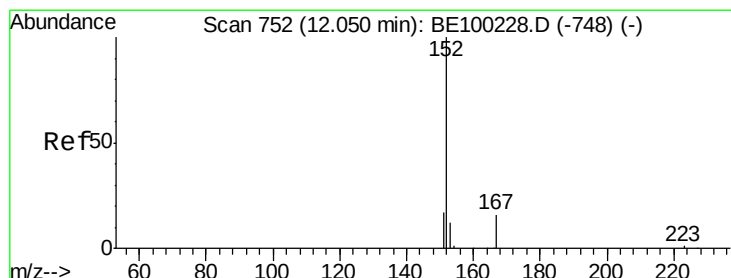
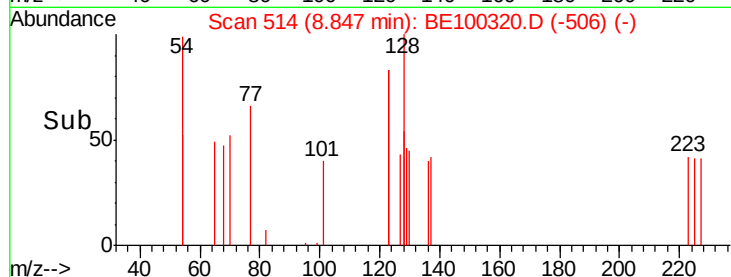
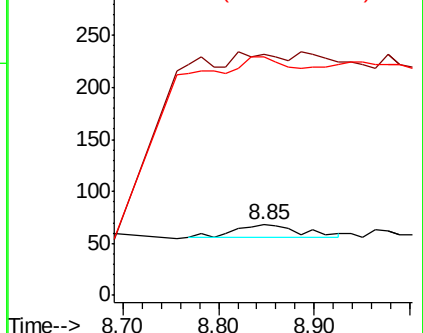
82 100

128 341.2 140.9 211.3#

54 338.2 146.2 219.2#



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



#11

2-Methylnaphthalene-d10

Concen: 0.022 ng

RT: 12.05 min Scan# 752

Delta R.T. 0.00 min

Lab File: BE100320.D

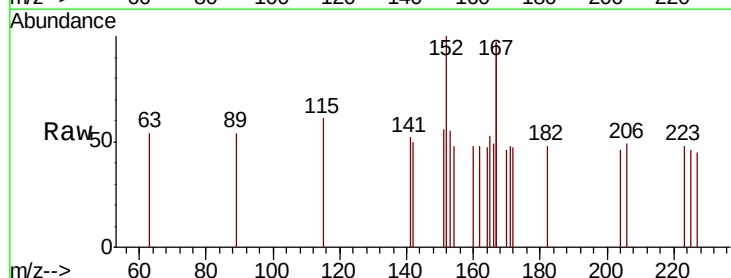
Acq: 3 Jul 2019 1:55

Tgt Ion: 152 Resp: 124

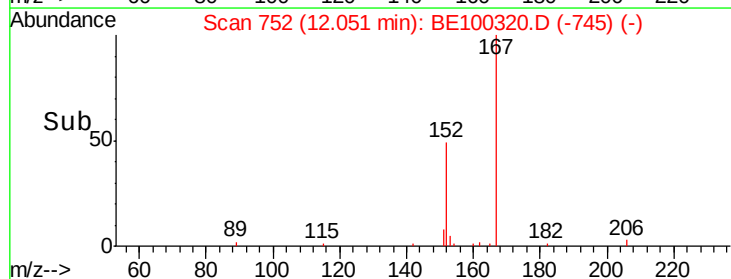
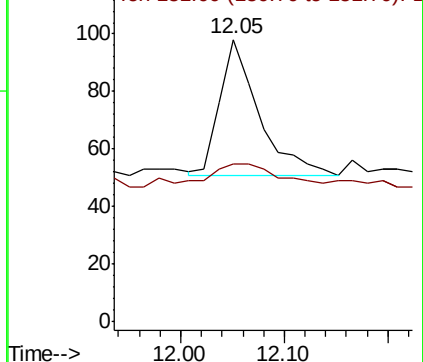
Ion Ratio Lower Upper

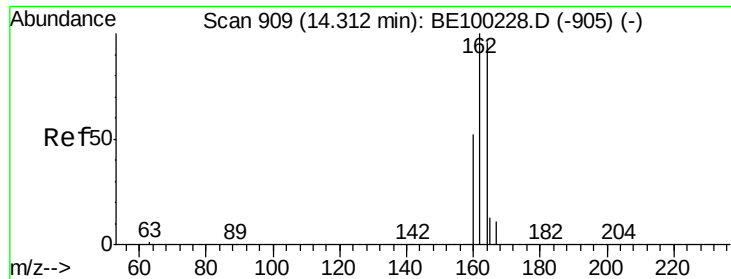
152 100

151 21.8 15.1 22.7



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

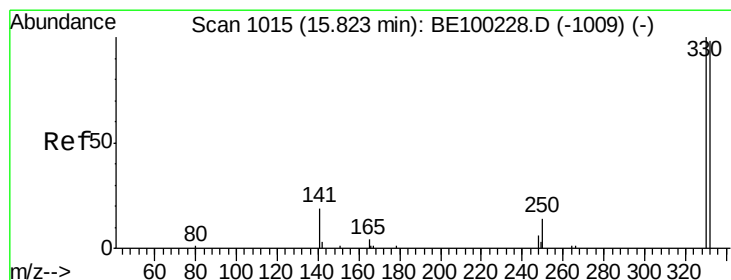
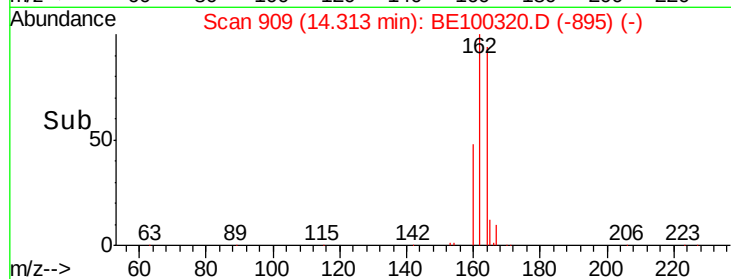
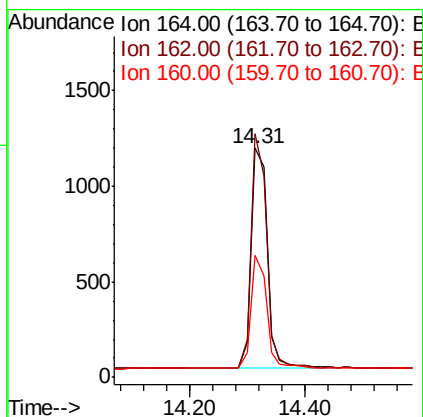
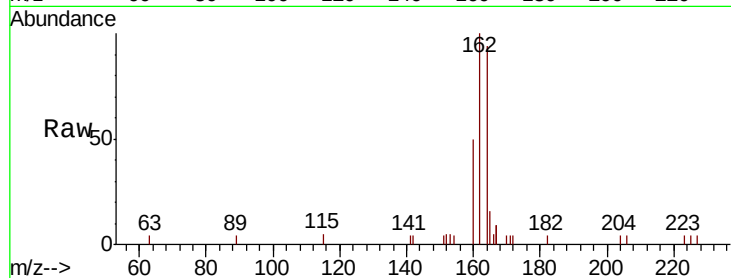




#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 909
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

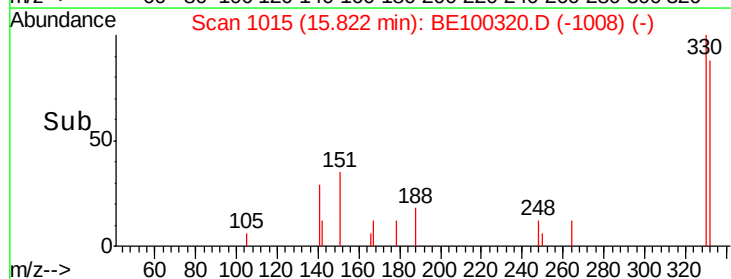
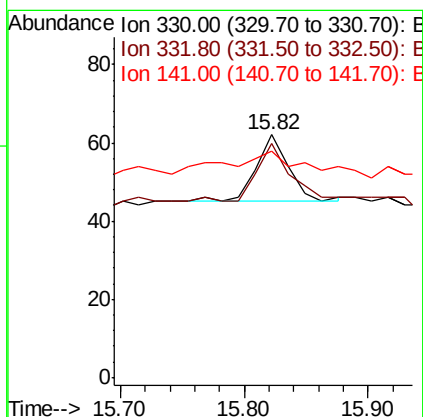
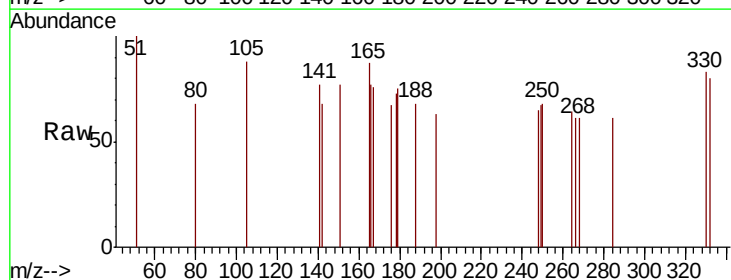
Instrument :
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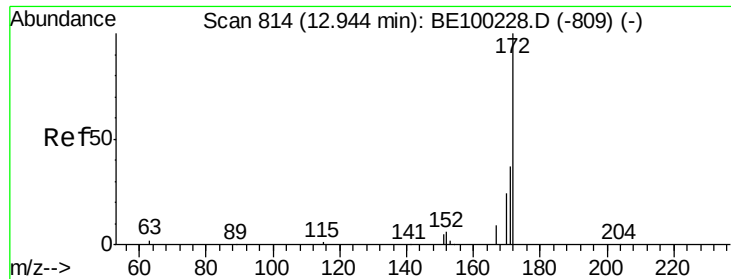
Tgt Ion:164 Resp: 2308
 Ion Ratio Lower Upper
 164 100
 162 106.1 83.4 125.0
 160 53.5 45.0 67.6



#14
 2,4,6-Tribromophenol
 Concen: 0.019 ng
 RT: 15.82 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion:330 Resp: 31
 Ion Ratio Lower Upper
 330 100
 332 145.2 77.0 115.4#
 141 96.8 22.0 33.0#

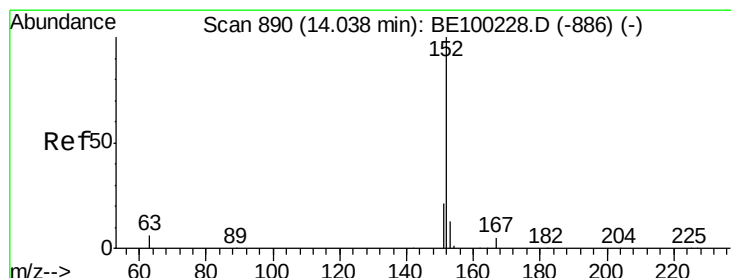
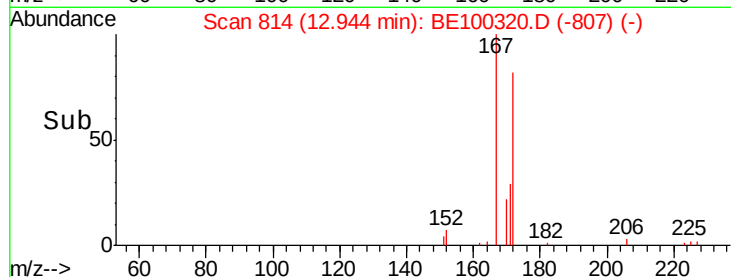
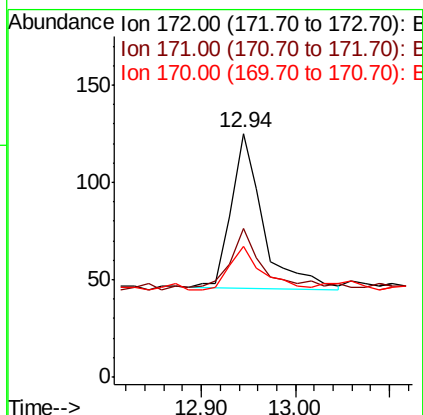
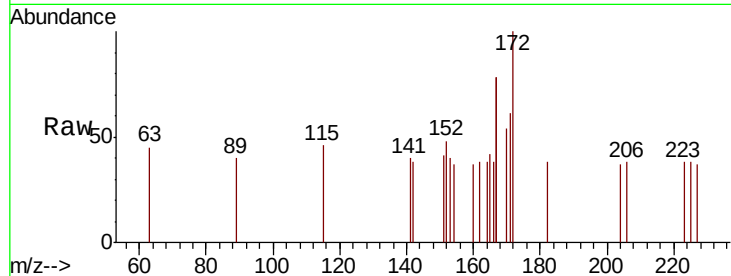




#15
2-Fluorobiphenyl
Concen: 0.021 ng
RT: 12.94 min Scan# 814
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

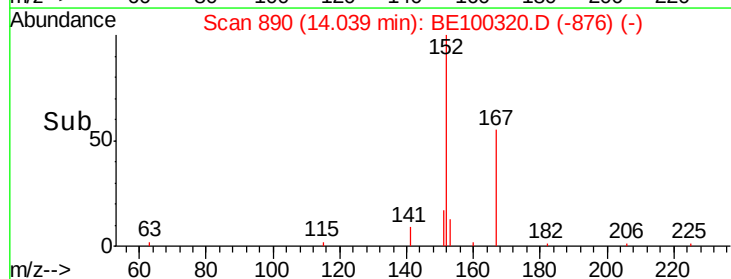
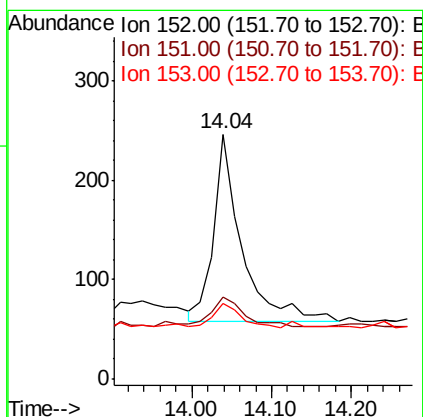
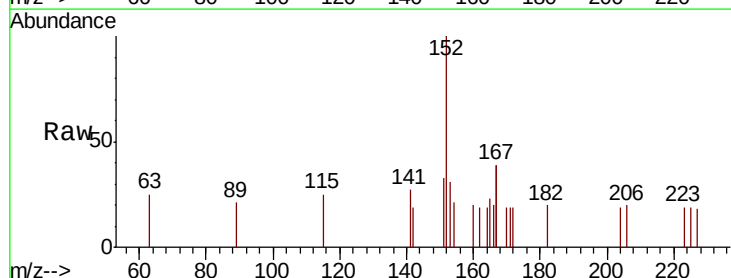
Instrument :
BNA_E
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PST-032-B205-062519

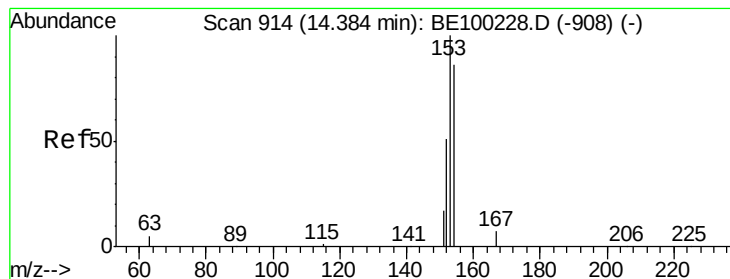
Tgt Ion:172 Resp: 186
Ion Ratio Lower Upper
172 100
171 60.8 31.9 47.9#
170 53.6 22.2 33.2#



#16
Acenaphthylene
Concen: 0.041 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100320.D
Acq: 3 Jul 2019 1:55

Tgt Ion:152 Resp: 456
Ion Ratio Lower Upper
152 100
151 20.4 16.6 25.0
153 14.9 10.5 15.7





#17

Acenaphthene

Concen: 0.077 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

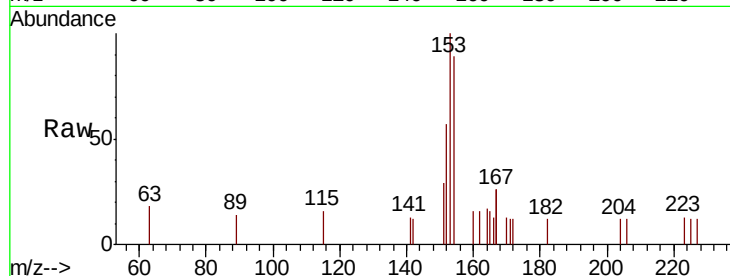
Tgt Ion:154 Resp: 481

Ion Ratio Lower Upper

154 100

153 117.5 93.4 140.2

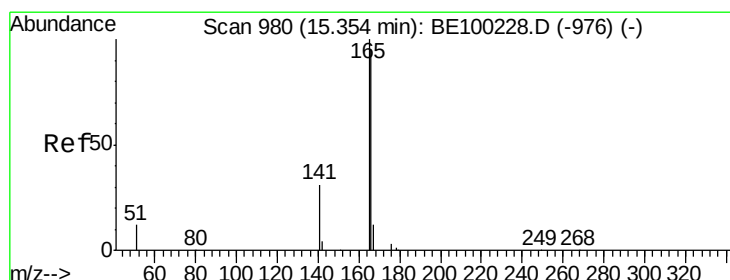
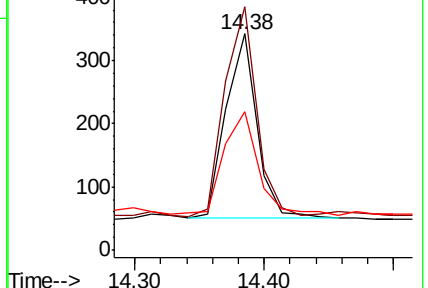
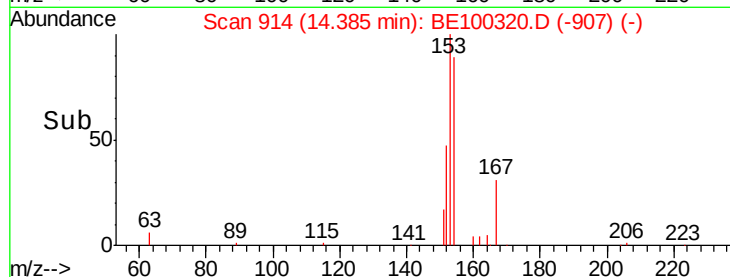
152 62.8 49.4 74.2



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: 0.049 ng

RT: 15.37 min Scan# 981

Delta R.T. 0.01 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

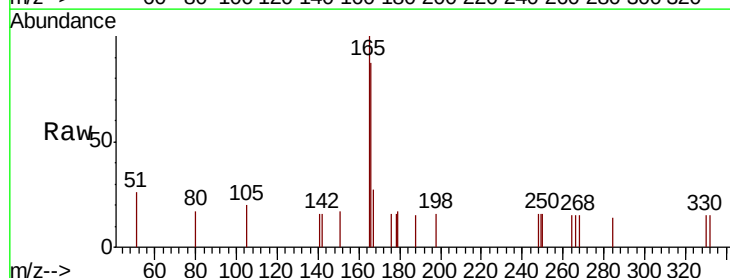
Tgt Ion:166 Resp: 456

Ion Ratio Lower Upper

166 100

165 104.2 81.1 121.7

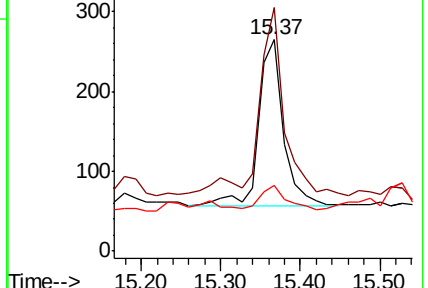
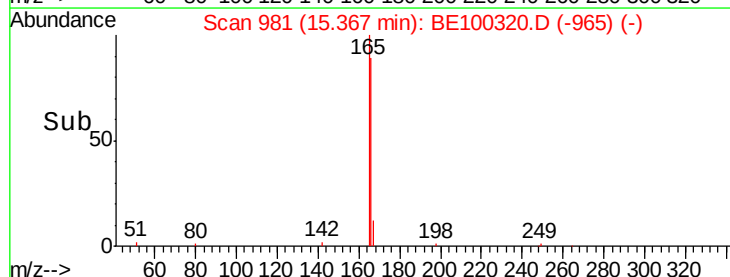
167 15.6 10.7 16.1

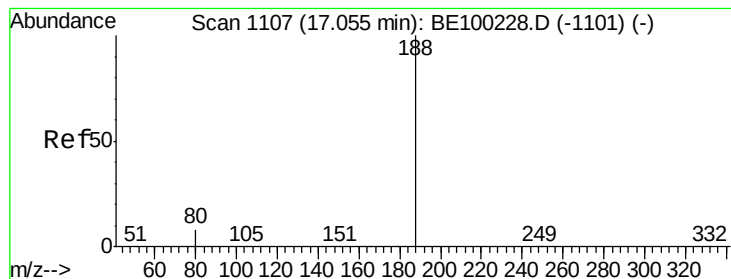


Abundance Ion 166.00 (165.70 to 166.70): E

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: 17.07 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

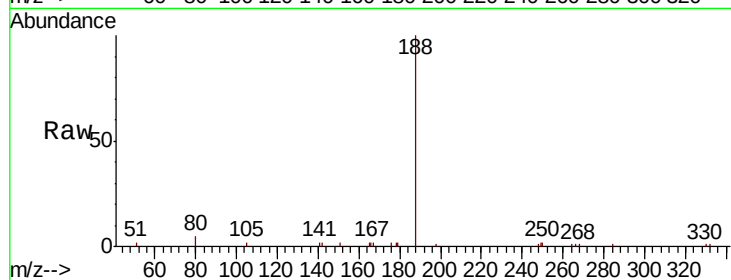
Tgt Ion:188 Resp: 6494

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

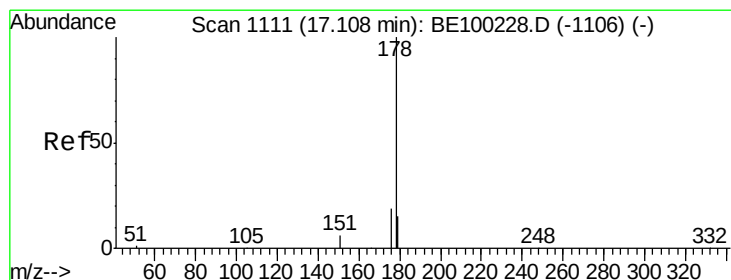
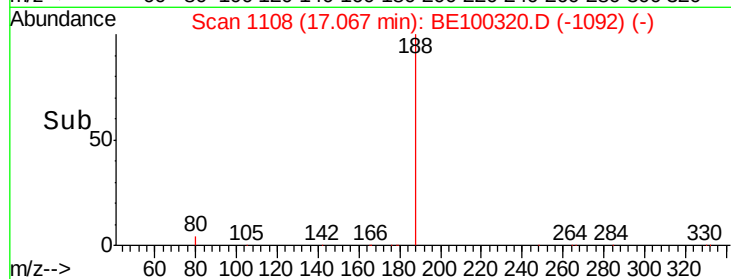
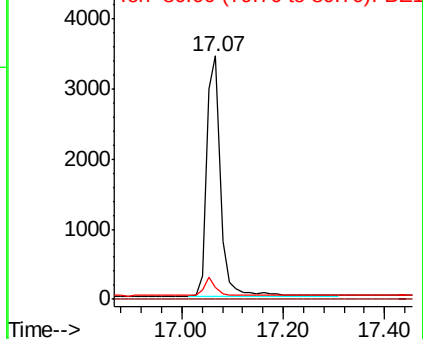
80 5.2 7.6 11.4#



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



#23

Phenanthrene

Concen: 0.701 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

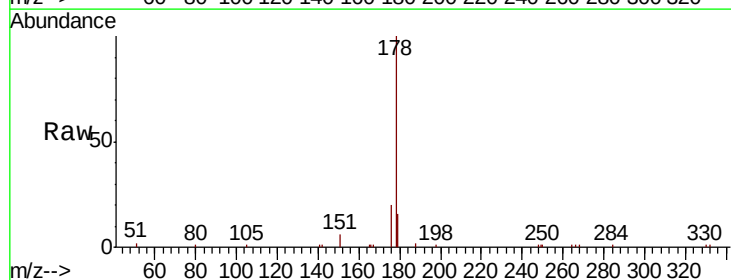
Tgt Ion:178 Resp: 11041

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

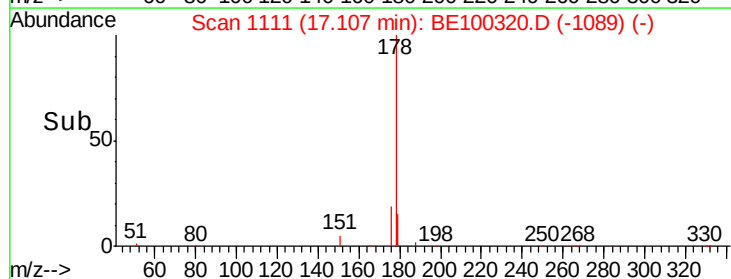
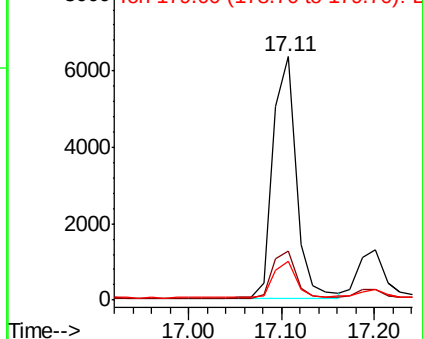
179 15.6 12.2 18.2

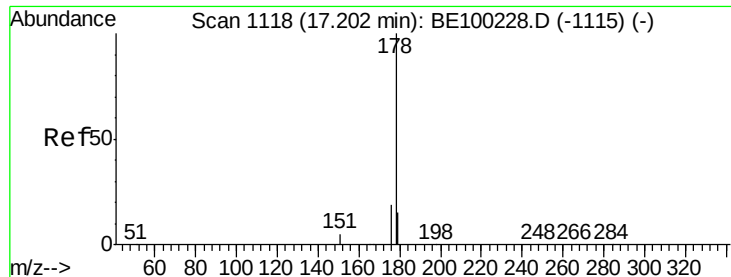


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.168 ng

RT: 17.20 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

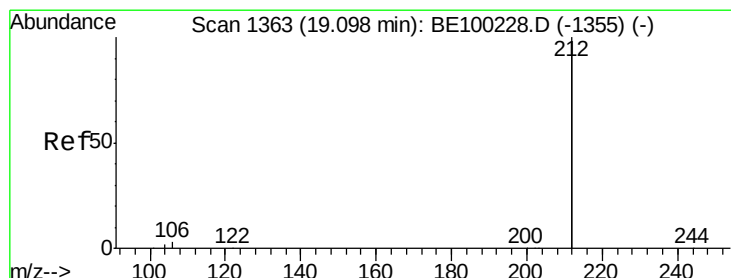
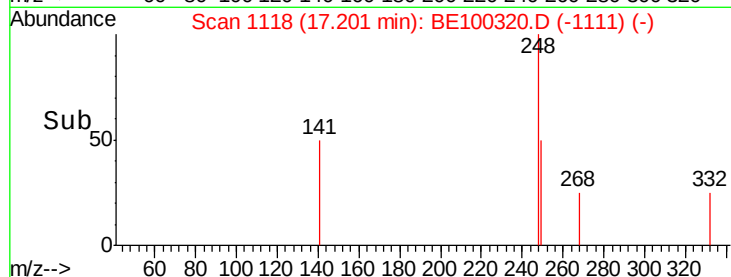
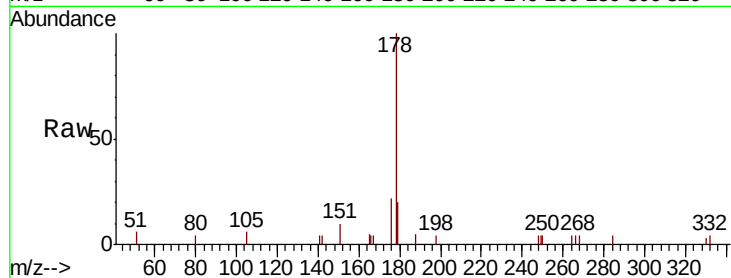
Tgt Ion:178 Resp: 2384

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

179 13.4 12.2 18.2



#25

Fluoranthene-d10

Concen: 0.018 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

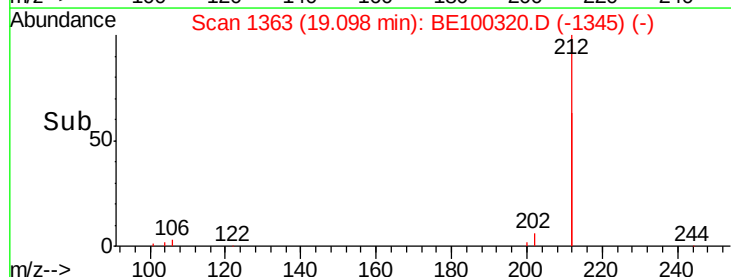
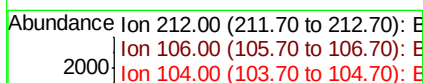
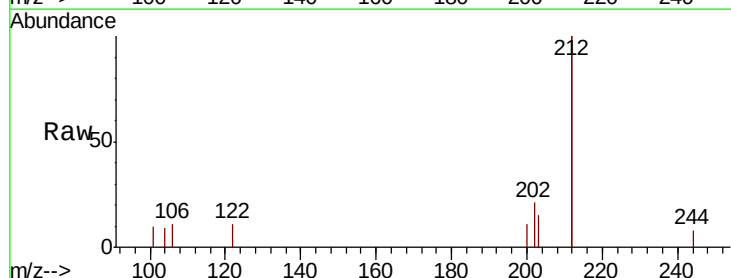
Tgt Ion:212 Resp: 1723

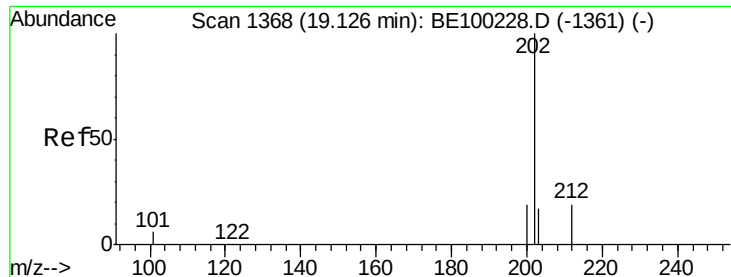
Ion Ratio Lower Upper

212 100

106 3.3 1.3 1.9#

104 1.6 0.8 1.2#

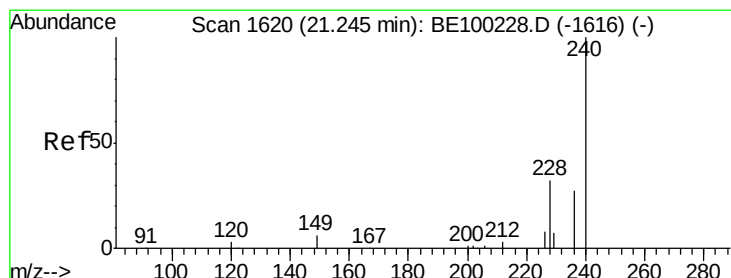
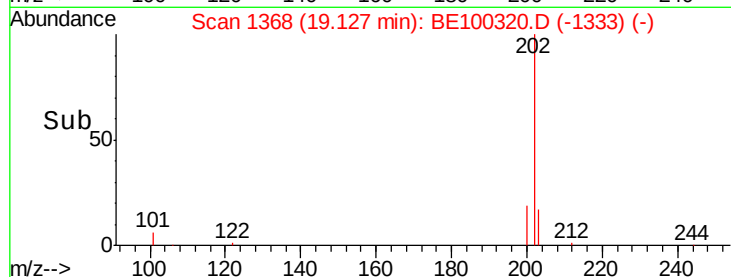
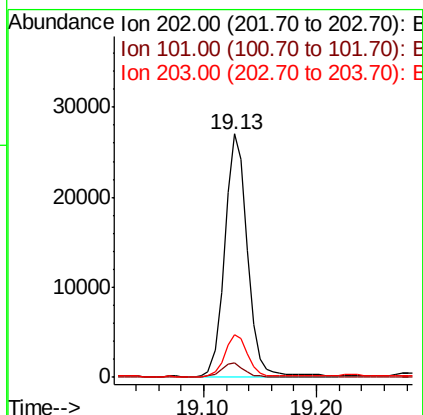
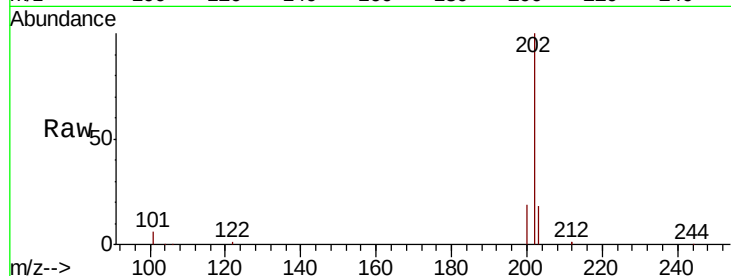




#26
 Fluoranthene
 Concen: 1.497 ng
 RT: 19.13 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

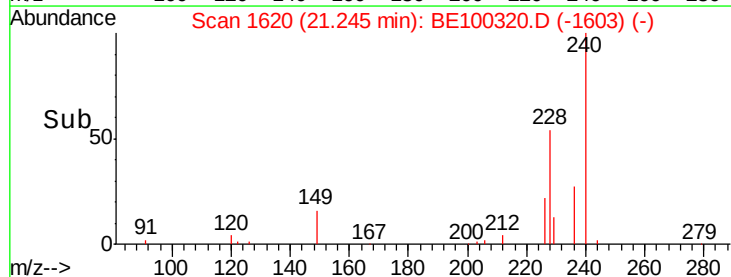
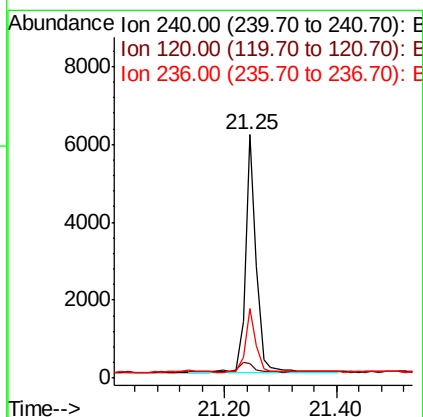
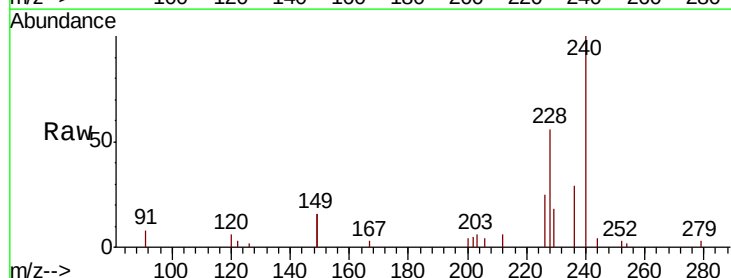
Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

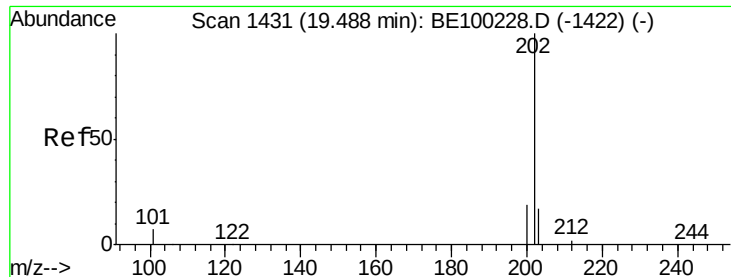
Tgt Ion: 202 Resp: 37536
 Ion Ratio Lower Upper
 202 100
 101 5.6 4.6 7.0
 203 17.1 13.7 20.5



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion: 240 Resp: 8055
 Ion Ratio Lower Upper
 240 100
 120 6.1 3.3 4.9#
 236 28.6 22.6 34.0

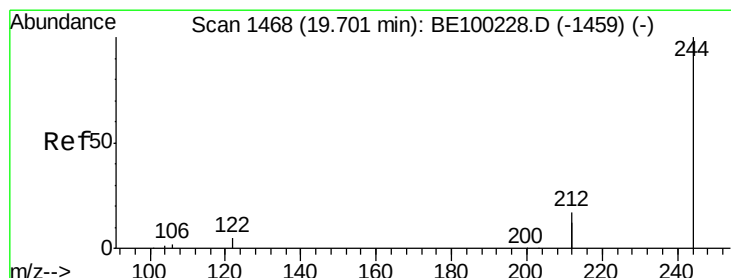
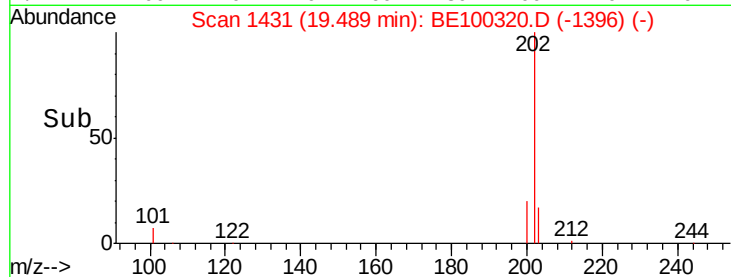
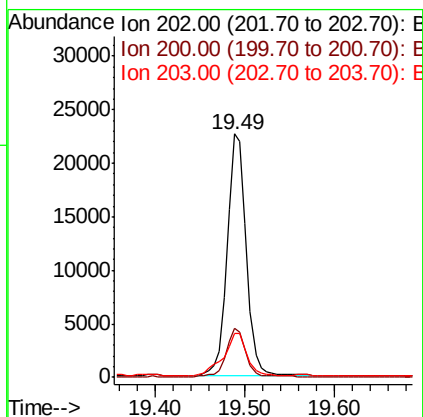
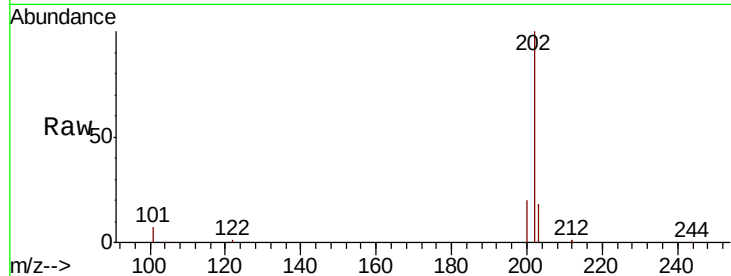




#28
 Pyrene
 Concen: 1.554 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

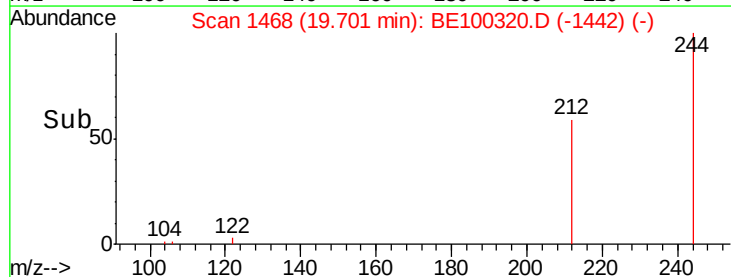
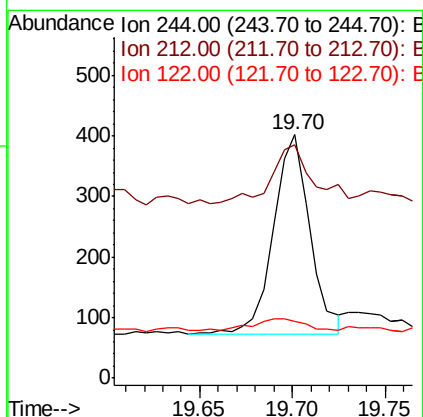
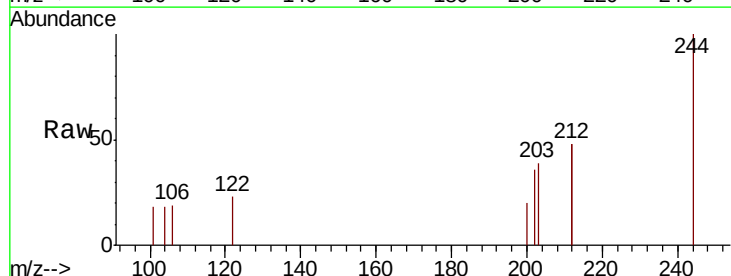
Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

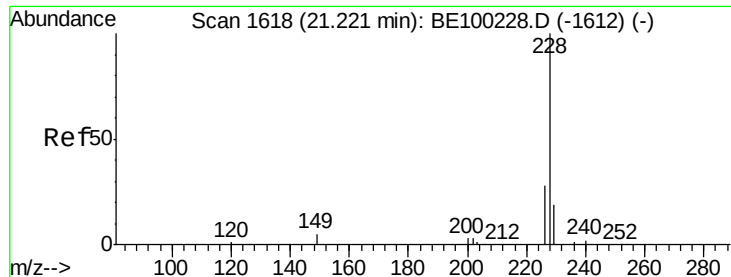
Tgt Ion: 202 Resp: 33134
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.6 23.4
 203 21.3 14.0 21.0#



#29
 Terphenyl-d14
 Concen: 0.027 ng
 RT: 19.70 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion: 244 Resp: 451
 Ion Ratio Lower Upper
 244 100
 212 96.0 27.3 40.9#
 122 23.1 4.7 7.1#





#30

Benzo(a)anthracene

Concen: 0.732 ng

RT: 21.23 min Scan# 1619

Delta R.T. 0.01 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

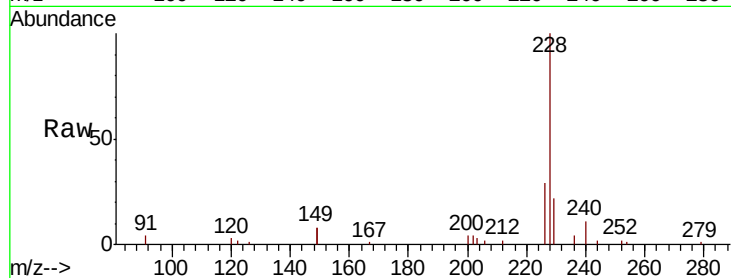
Tgt Ion:228 Resp: 19386

Ion Ratio Lower Upper

228 100

226 29.2 23.2 34.8

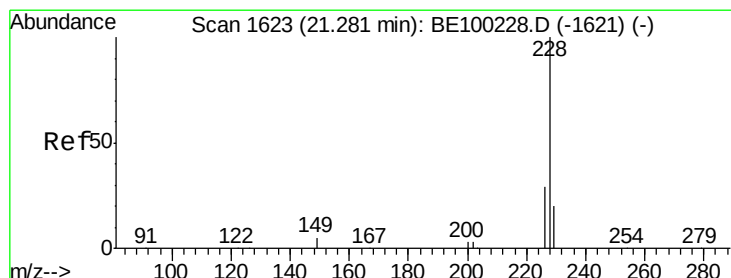
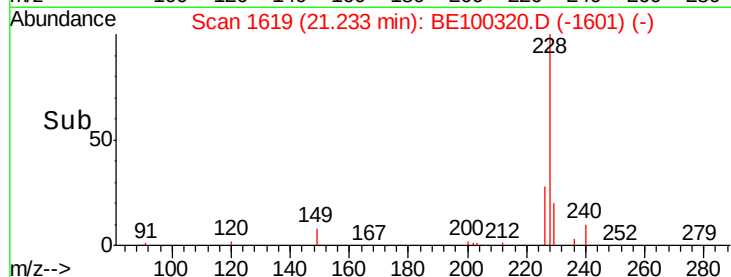
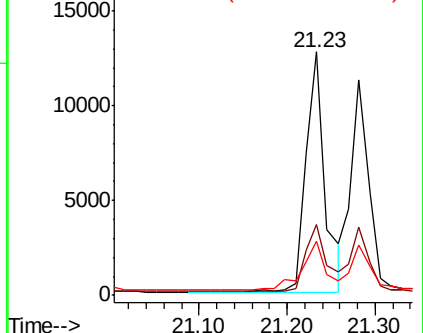
229 22.4 15.7 23.5



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: 0.581 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

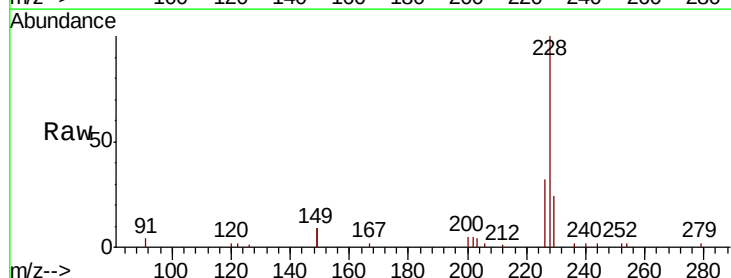
Tgt Ion:228 Resp: 15444

Ion Ratio Lower Upper

228 100

226 31.8 23.9 35.9

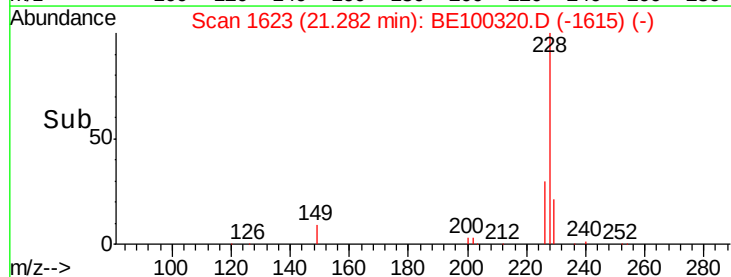
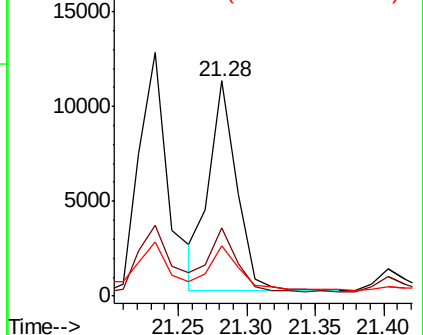
229 23.6 16.5 24.7

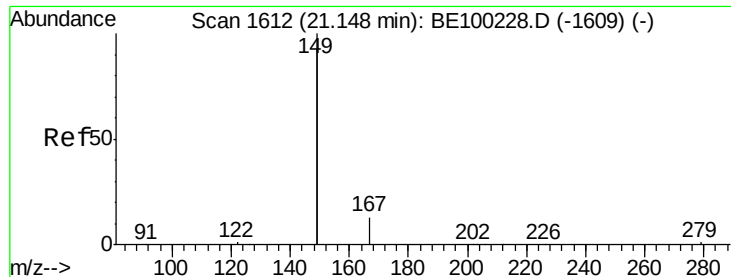


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

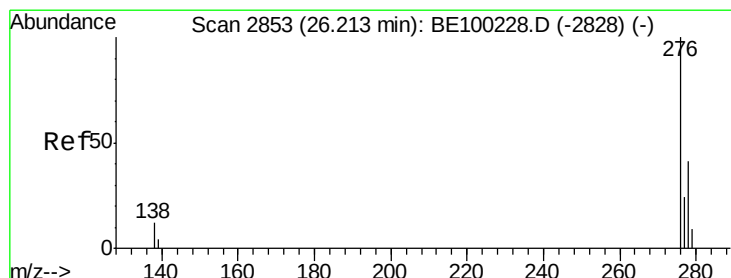
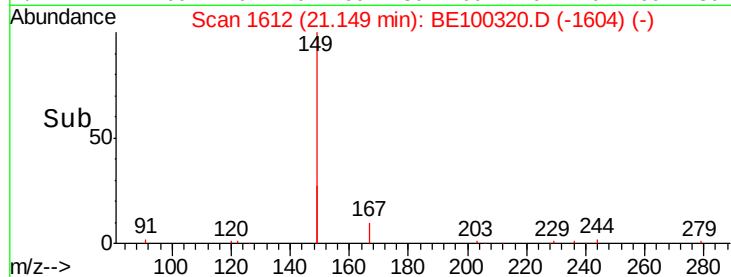
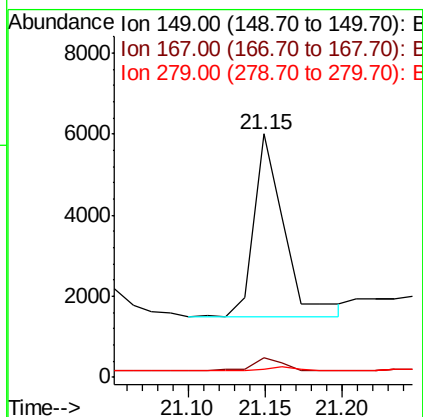
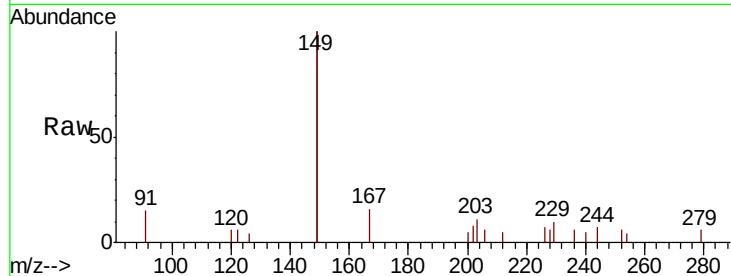




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.106 ng
 RT: 21.15 min Scan# 1612
 Delta R.T. 0.00 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

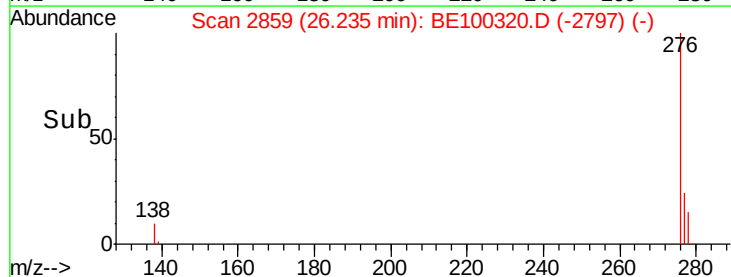
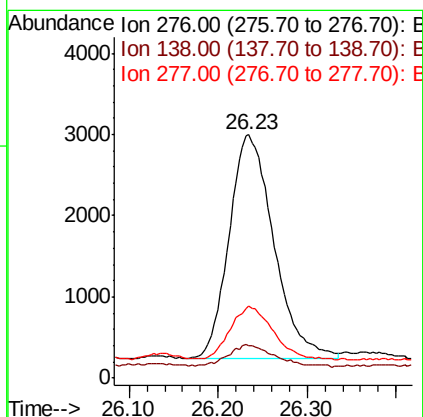
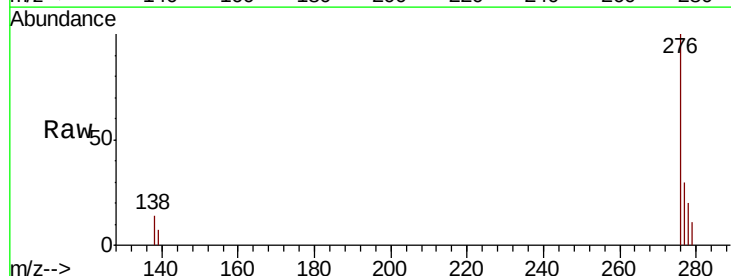
Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

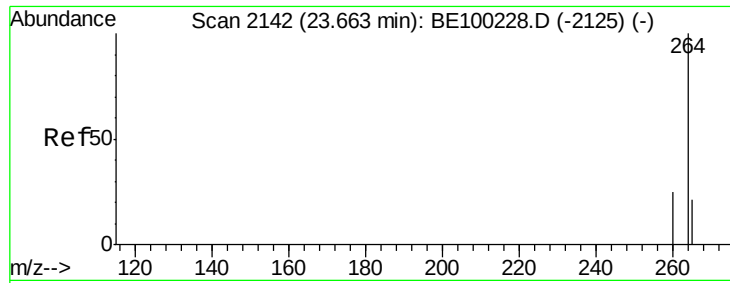
Tgt Ion: 149 Resp: 6117
 Ion Ratio Lower Upper
 149 100
 167 7.1 5.8 8.8
 279 2.4 1.1 1.7#



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.275 ng
 RT: 26.23 min Scan# 2859
 Delta R.T. 0.02 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion: 276 Resp: 9679
 Ion Ratio Lower Upper
 276 100
 138 9.5 9.4 14.0
 277 23.1 19.2 28.8

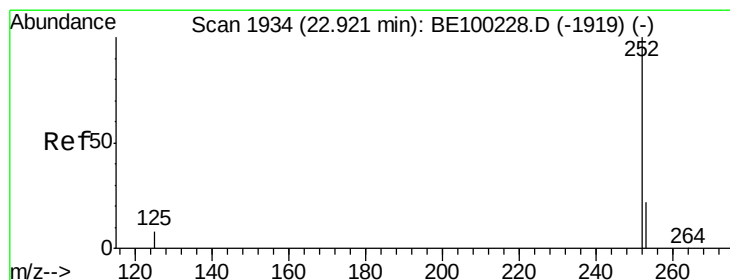
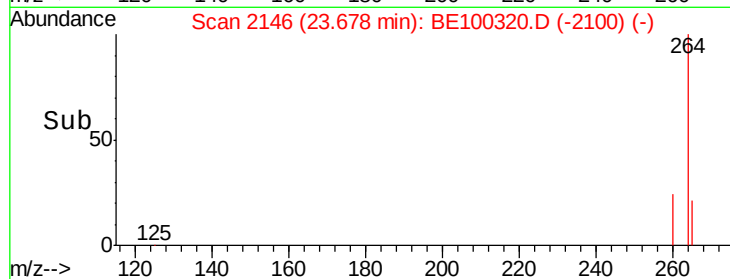
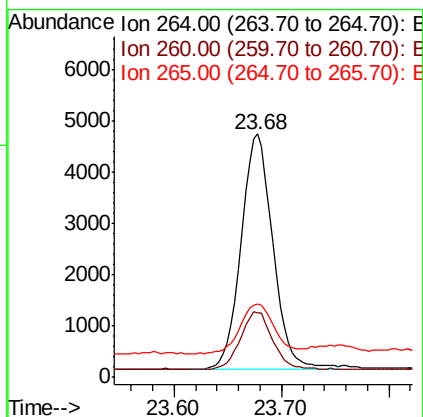
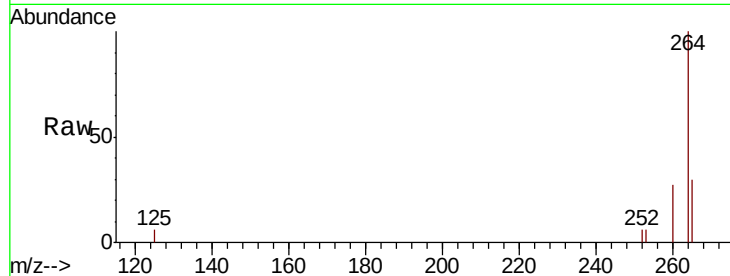




#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.68 min Scan# 2146
 Delta R.T. 0.02 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

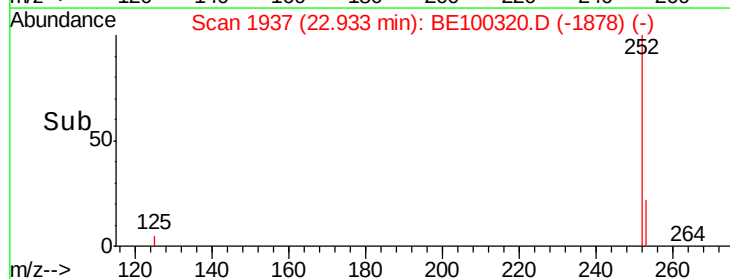
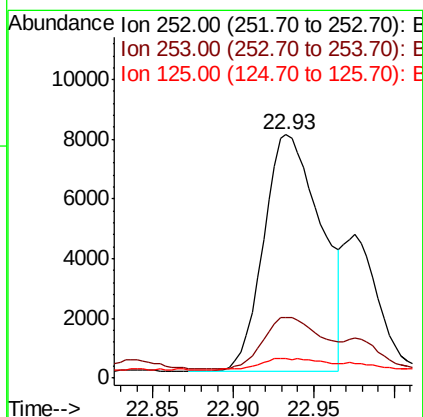
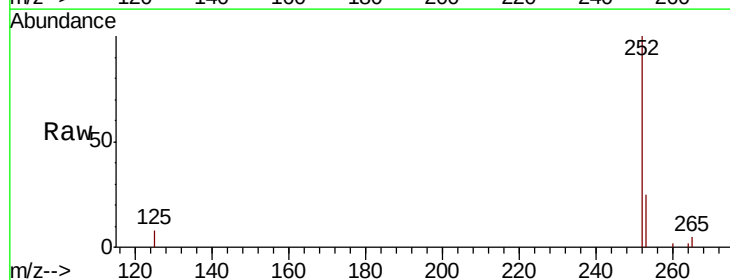
Instrument :
 BNA_E
 ClientSampleId :
 PST-032-B205-062519

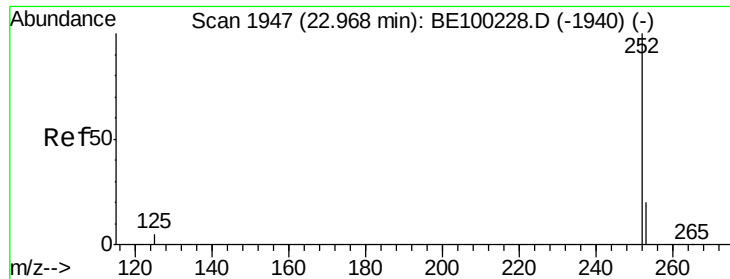
Tgt Ion: 264 Resp: 9435
 Ion Ratio Lower Upper
 264 100
 260 26.6 20.8 31.2
 265 30.2 21.8 32.6



#35
 Benzo(b)fluoranthene
 Concen: 0.767 ng
 RT: 22.93 min Scan# 1937
 Delta R.T. 0.01 min
 Lab File: BE100320.D
 Acq: 3 Jul 2019 1:55

Tgt Ion: 252 Resp: 19632
 Ion Ratio Lower Upper
 252 100
 253 25.1 19.2 28.8
 125 8.3 7.4 11.0





#36

Benzo(k)fluoranthene

Concen: 0.688 ng

RT: 22.93 min Scan# 1937

Delta R.T. -0.03 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

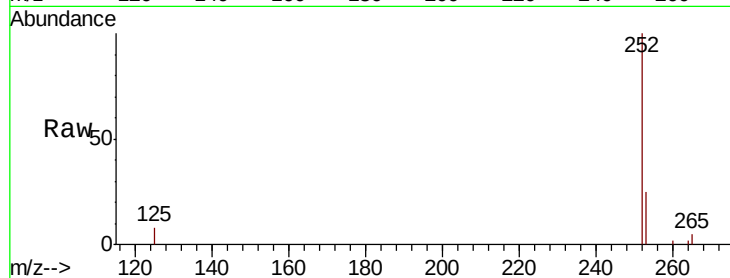
Tgt Ion:252 Resp: 19632

Ion Ratio Lower Upper

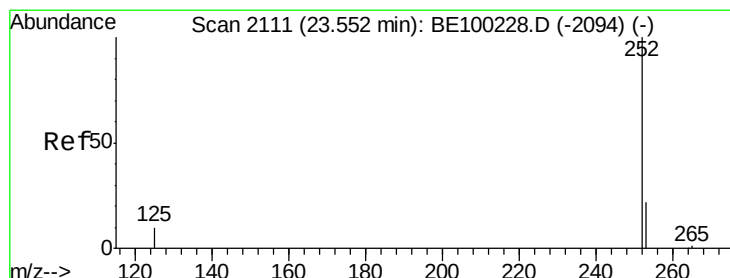
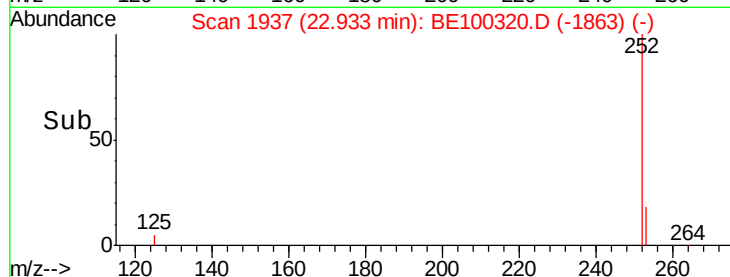
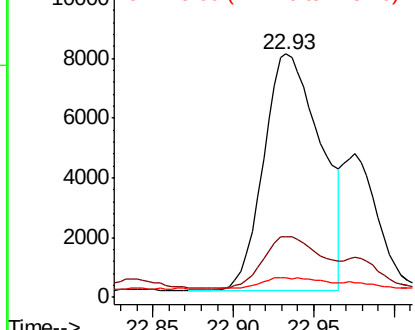
252 100

253 25.1 17.9 26.9

125 8.3 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: 0.529 ng

RT: 23.56 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

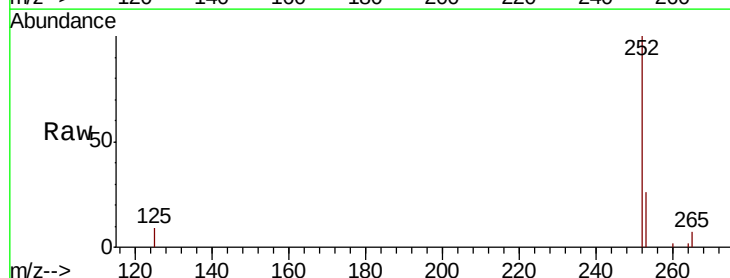
Tgt Ion:252 Resp: 13562

Ion Ratio Lower Upper

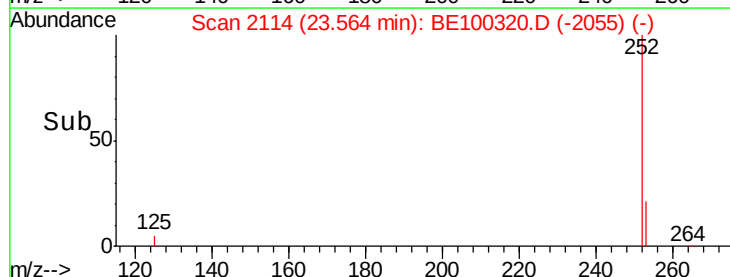
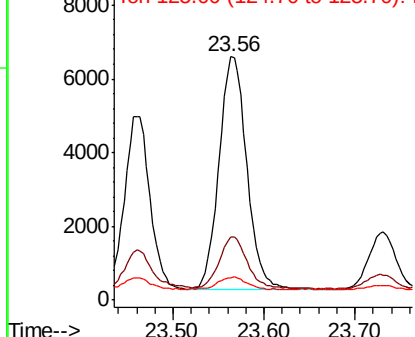
252 100

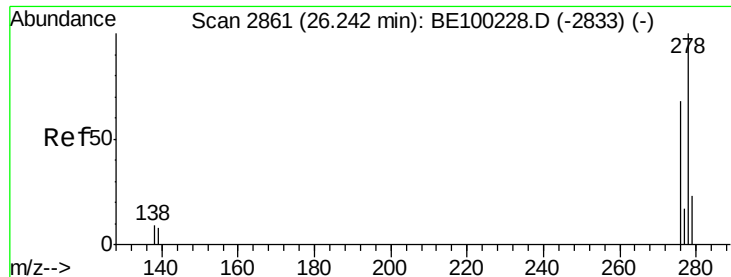
253 25.9 19.6 29.4

125 9.2 9.0 13.6



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: 0.076 ng

RT: 26.25 min Scan# 2863

Delta R.T. 0.01 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

Instrument :

BNA_E

ClientSampleId :

PST-032-B205-062519

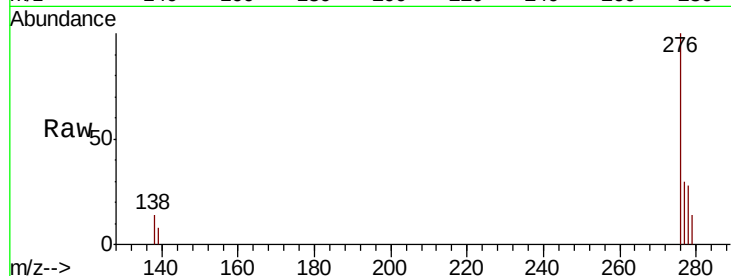
Tgt Ion: 278 Resp: 2043

Ion Ratio Lower Upper

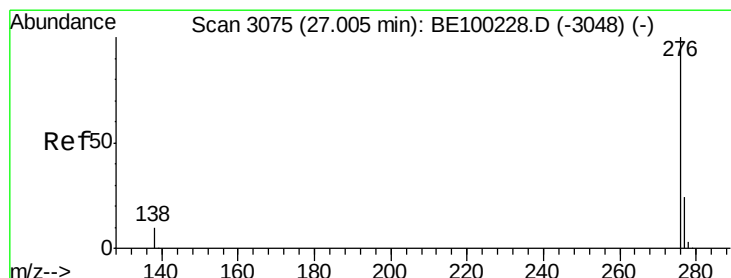
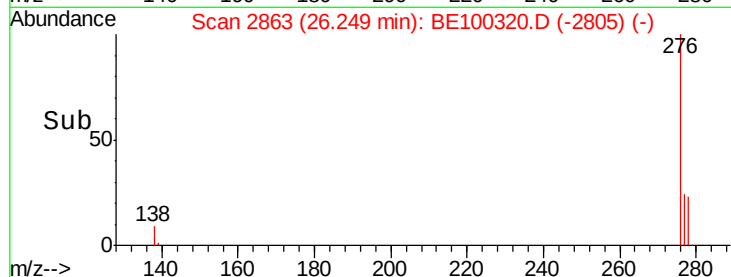
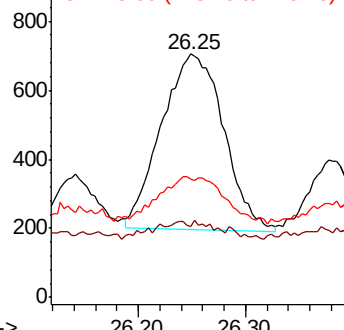
278 100

139 29.2 8.2 12.2#

279 48.6 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: 0.362 ng

RT: 27.03 min Scan# 3083

Delta R.T. 0.03 min

Lab File: BE100320.D

Acq: 3 Jul 2019 1:55

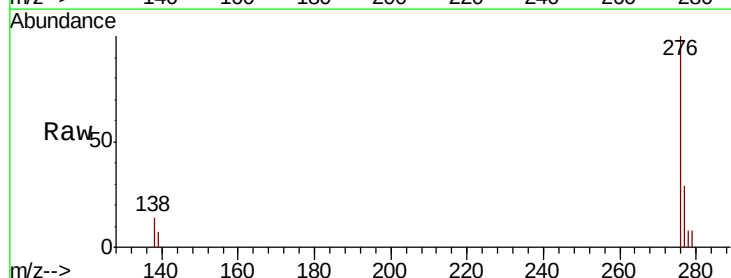
Tgt Ion: 276 Resp: 9955

Ion Ratio Lower Upper

276 100

277 29.0 20.2 30.2

138 13.8 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

