

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062819\
 Data File : BE100243.D
 Acq On : 28 Jun 2019 20:15
 Operator : JU/SJ
 Sample : K3445-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW049-061819

Quant Time: Jun 29 00:01:49 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	808	0.40	ng	0.00
7) Naphthalene-d8	10.43	136	2839	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	2229	0.40	ng	0.00
19) Phenanthrene-d10	17.05	188	6789	0.40	ng	0.00
27) Chrysene-d12	21.25	240	8910	0.40	ng	0.00
34) Perylene-d12	23.67	264	10944	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	666	0.32	ng	0.00
5) Phenol-d6	6.83	99	899	0.33	ng	-0.01
8) Nitrobenzene-d5	8.81	82	961	0.34	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	2019	0.38	ng	-0.01
14) 2,4,6-Tribromophenol	15.81	330	587	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	2897	0.33	ng	-0.01
25) Fluoranthene-d10	19.10	212	34586	0.35	ng	0.00
29) Terphenyl-d14	19.70	244	7029	0.38	ng	0.00

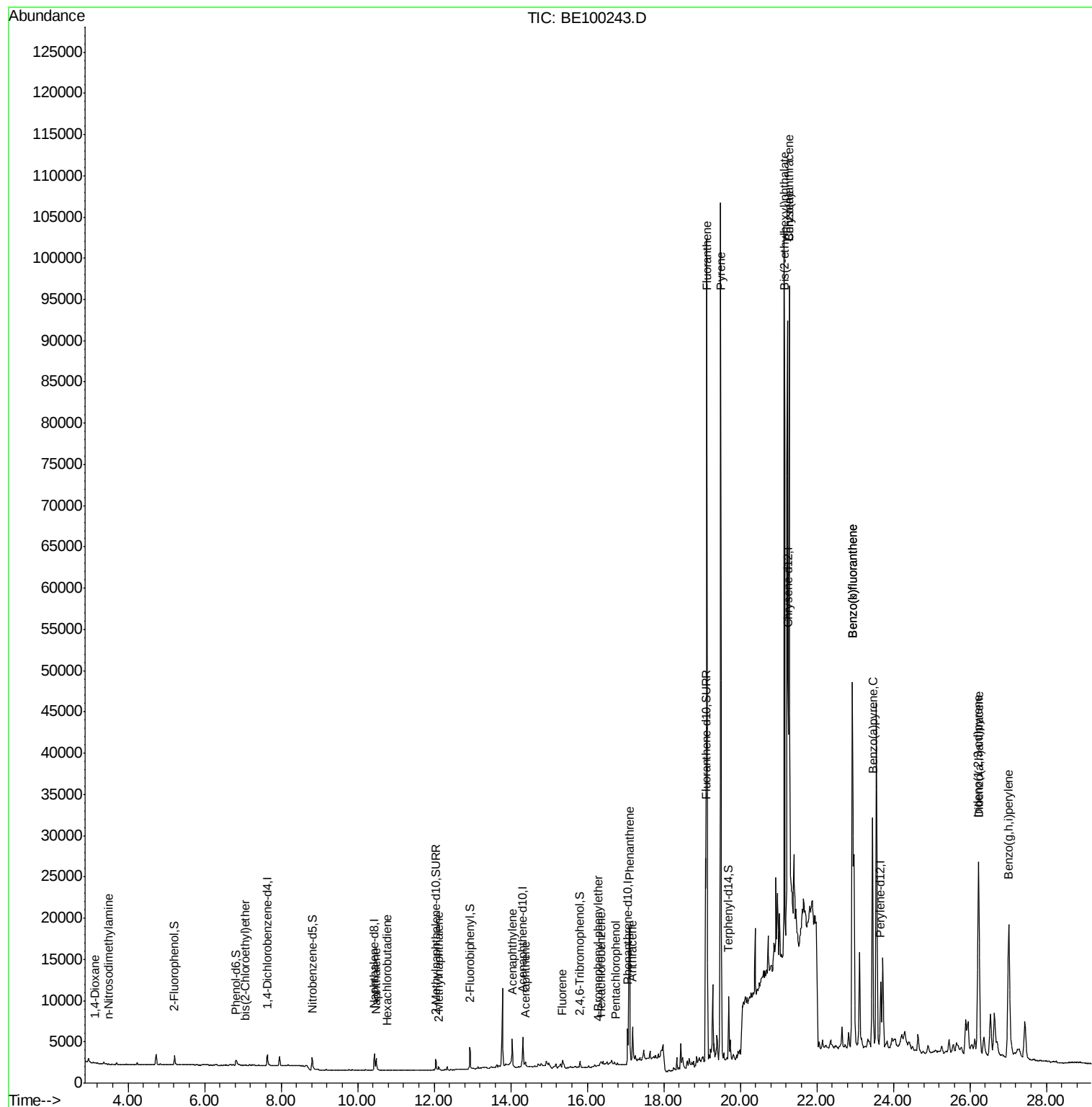
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.12	88	9	0.007	ng	# 32
3) n-Nitrosodimethylamine	3.49	42	24	0.041	ng	# 1
6) bis(2-Chloroethyl)ether	7.07	93	8	0.004	ng	# 1
9) Naphthalene	10.48	128	2398	0.077	ng	# 94
10) Hexachlorobutadiene	10.76	225	3	0.001	ng	# 20
12) 2-Methylnaphthalene	12.12	142	310	0.056	ng	# 89
16) Acenaphthylene	14.04	152	6932	0.648	ng	# 96
17) Acenaphthene	14.38	154	582	0.096	ng	# 89
18) Fluorene	15.35	166	1091	0.122	ng	# 72
20) 4-Bromophenyl-phenylether	16.29	248	19	0.004	ng	# 67
21) Hexachlorobenzene	16.36	284	23	0.005	ng	# 48
22) Pentachlorophenol	16.73	266	39	0.029	ng	# 83
23) Phenanthrene	17.11	178	21451	1.304	ng	# 98
24) Anthracene	17.19	178	5511	0.372	ng	# 99
26) Fluoranthene	19.13	202	89659	3.421	ng	# 99
28) Pyrene	19.49	202	91952	3.898	ng	# 96
30) Benzo(a)anthracene	21.28	228	58220	1.987	ng	# 93
31) Chrysene	21.28	228	57829	1.966	ng	# 95
32) Bis(2-ethylhexyl)phthalate	21.15	149	106559	2.516	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.22	276	45039	1.158	ng	# 97
35) Benzo(b)fluoranthene	22.93	252	82677	2.786	ng	# 98
36) Benzo(k)fluoranthene	22.93	252	82677	2.496	ng	# 95
37) Benzo(a)pyrene	23.45	252	42606	1.433	ng	# 98
38) Dibenzo(a,h)anthracene	26.23	278	5631	0.181	ng	# 80
39) Benzo(g,h,i)perylene	27.02	276	44029	1.380	ng	# 98

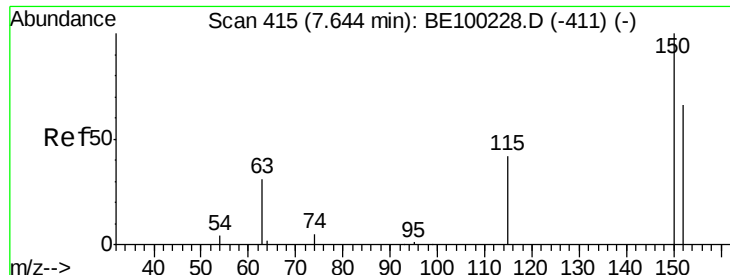
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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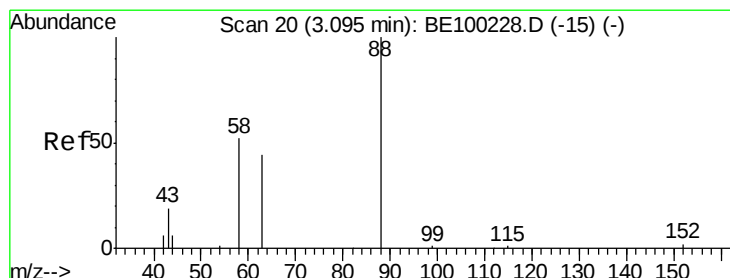
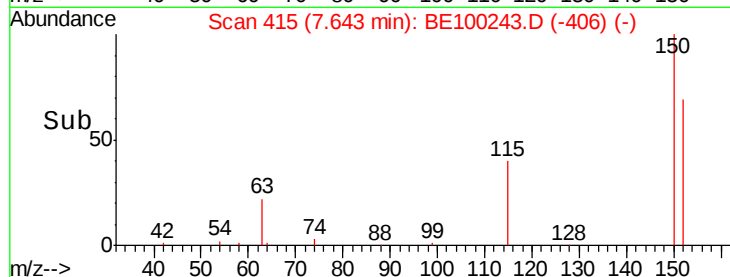
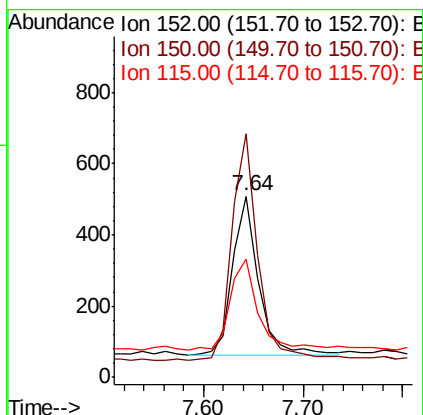
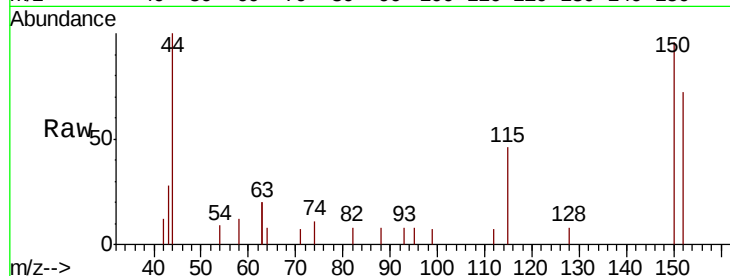


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 415
Delta R.T. -0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

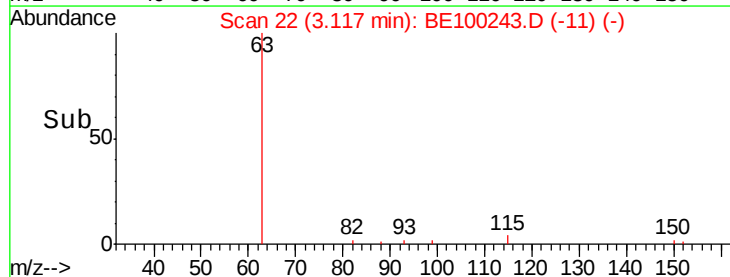
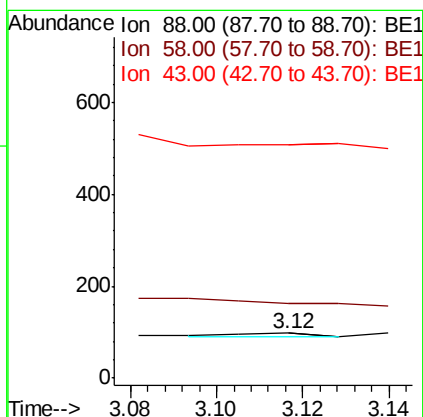
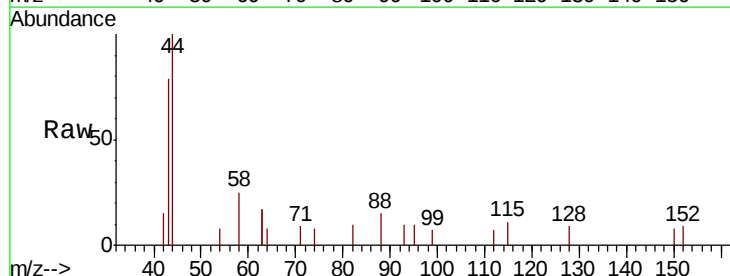
Tgt Ion: 152 Resp: 808
Ion Ratio Lower Upper
152 100
150 134.1 114.5 171.7
115 64.9 57.1 85.7



#2

1,4-Dioxane
Concen: 0.007 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.02 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion: 88 Resp: 9
Ion Ratio Lower Upper
88 100
58 0.0 43.6 65.4#
43 0.0 21.4 32.0#





#3

n-Nitrosodimethylamine

Concen: 0.041 ng

RT: 3.49 min Scan# 54

Delta R.T. 0.02 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

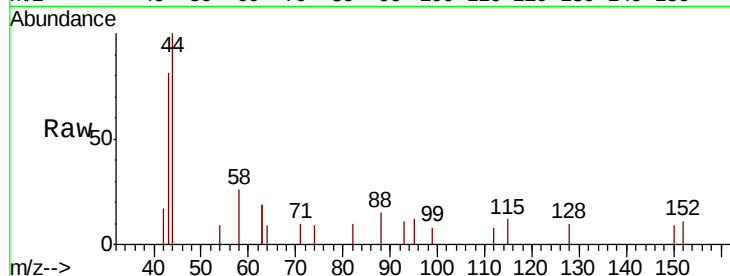
Tgt Ion: 42 Resp: 24

Ion Ratio Lower Upper

42 100

74 0.0 130.6 196.0#

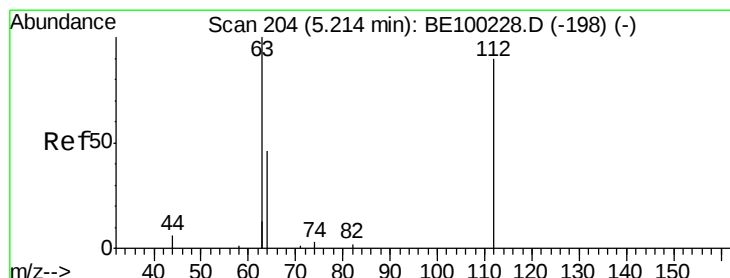
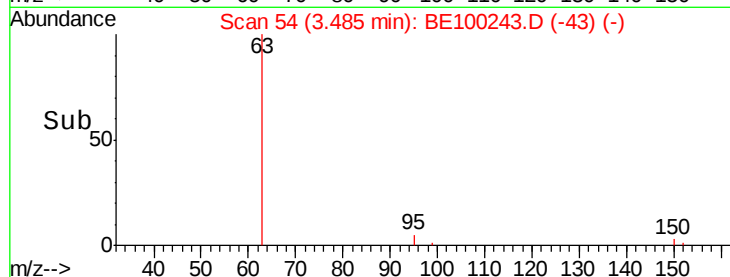
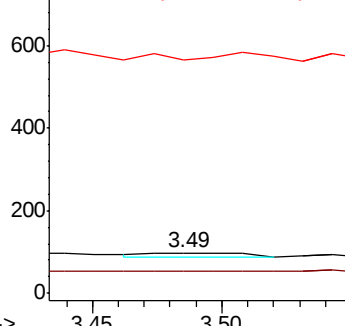
44 0.0 38.0 57.0#



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: 0.323 ng

RT: 5.21 min Scan# 204

Delta R.T. -0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

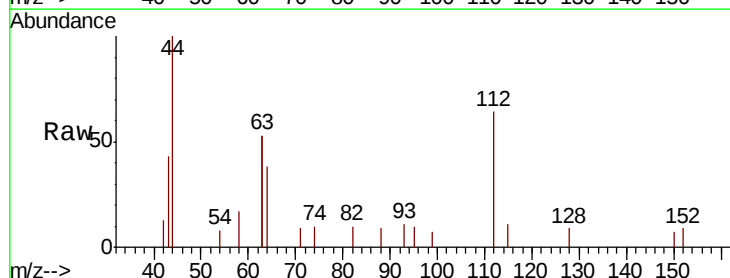
Tgt Ion: 112 Resp: 666

Ion Ratio Lower Upper

112 100

64 58.4 39.4 59.0

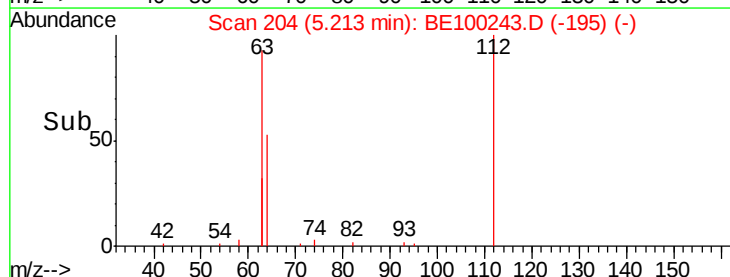
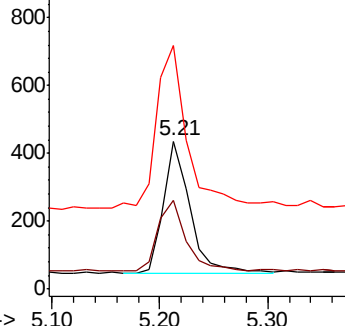
63 145.6 104.5 156.7



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: 0.332 ng

RT: 6.83 min Scan# 344

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

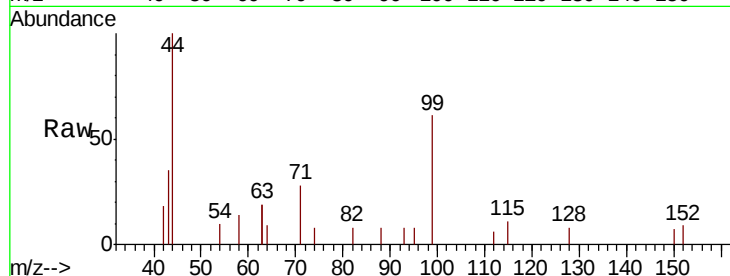
Tgt Ion: 99 Resp: 899

Ion Ratio Lower Upper

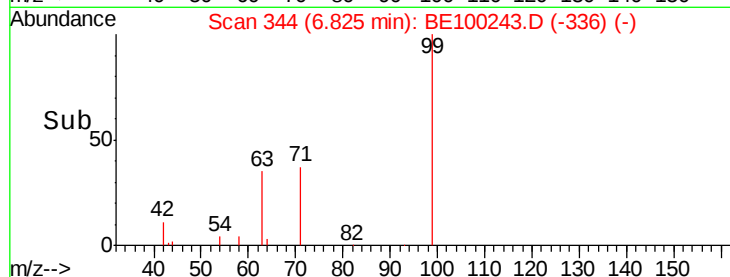
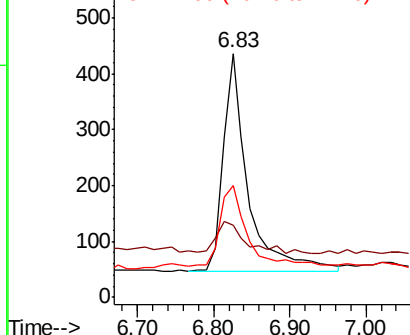
99 100

42 17.2 11.2 16.8#

71 39.6 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: 0.004 ng

RT: 7.07 min Scan# 365

Delta R.T. -0.02 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

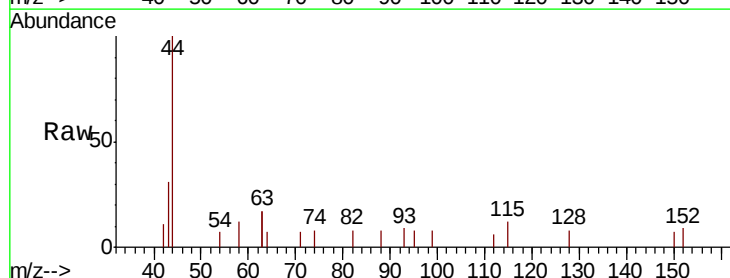
Tgt Ion: 93 Resp: 8

Ion Ratio Lower Upper

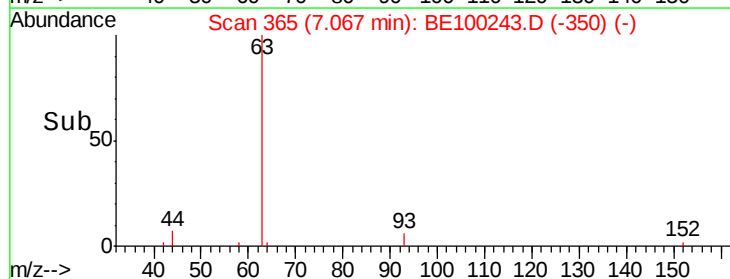
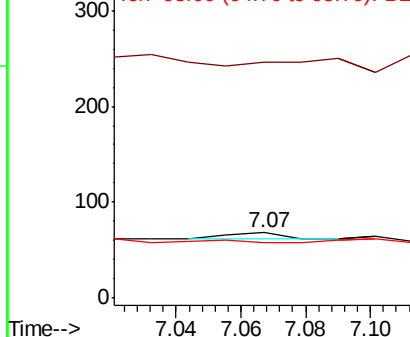
93 100

63 0.0 155.6 233.4#

95 0.0 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: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

Tgt Ion: 136 Resp: 2839

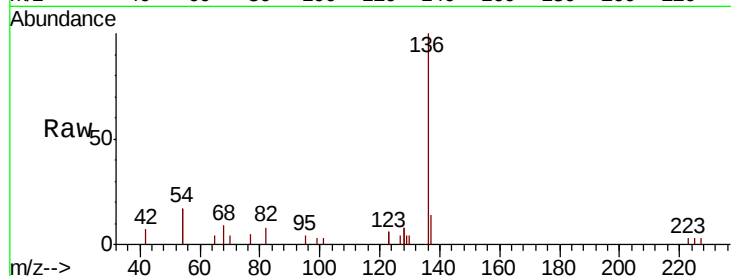
Ion Ratio Lower Upper

136 100

137 14.0 11.8 17.8

54 33.1 27.7 41.5

68 8.6 6.8 10.2

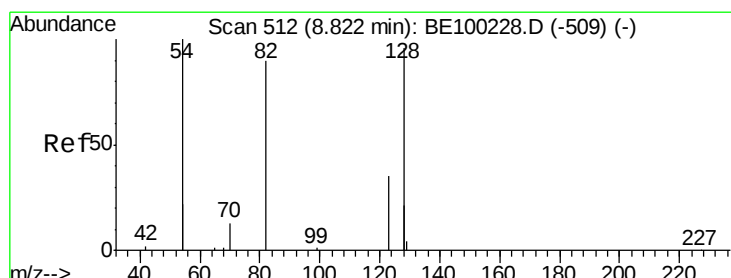
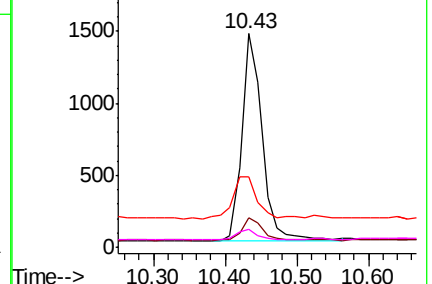
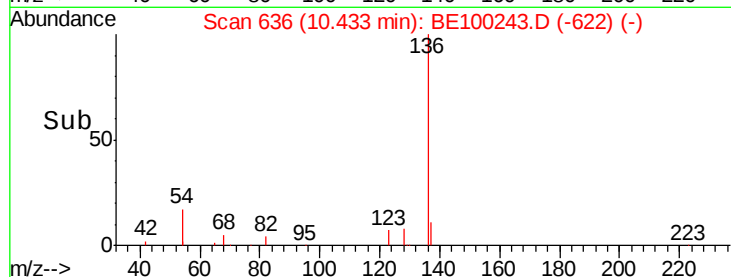


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.341 ng

RT: 8.81 min Scan# 511

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

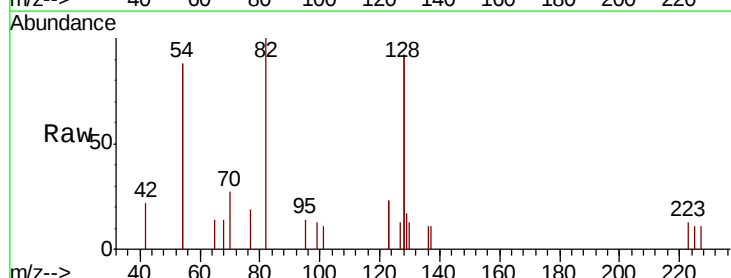
Tgt Ion: 82 Resp: 961

Ion Ratio Lower Upper

82 100

128 183.8 140.9 211.3

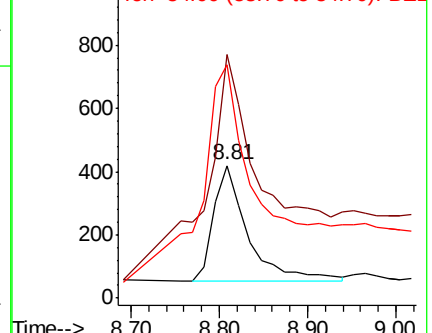
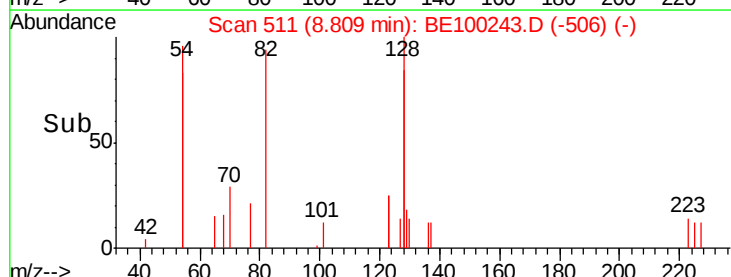
54 176.6 146.2 219.2

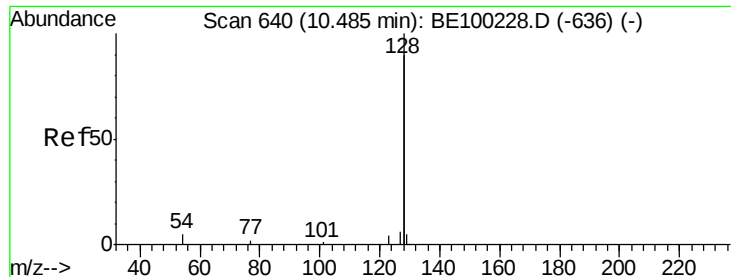


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1





#9

Naphthalene

Concen: 0.077 ng

RT: 10.48 min Scan# 640

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

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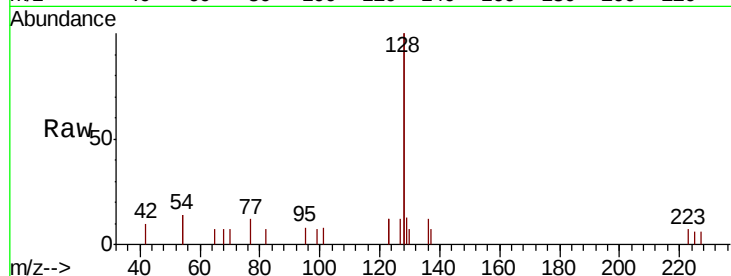
Tgt Ion:128 Resp: 2398

Ion Ratio Lower Upper

128 100

129 6.3 3.0 4.6#

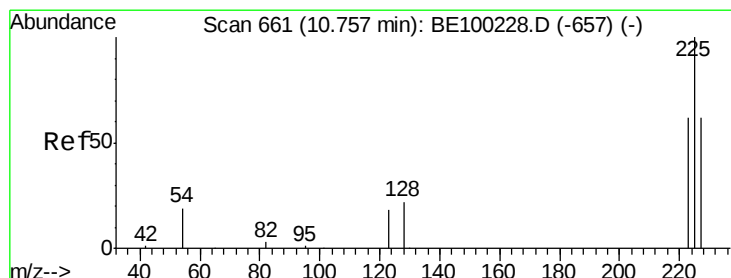
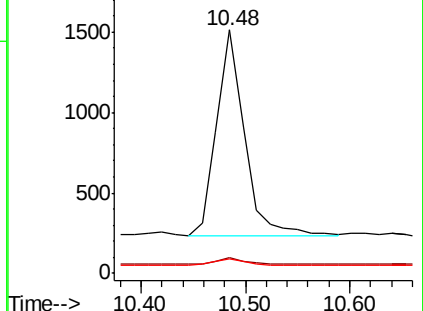
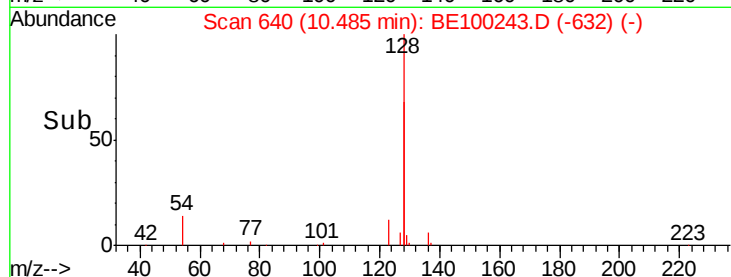
127 6.1 3.5 5.3#



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: 0.001 ng

RT: 10.76 min Scan# 661

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

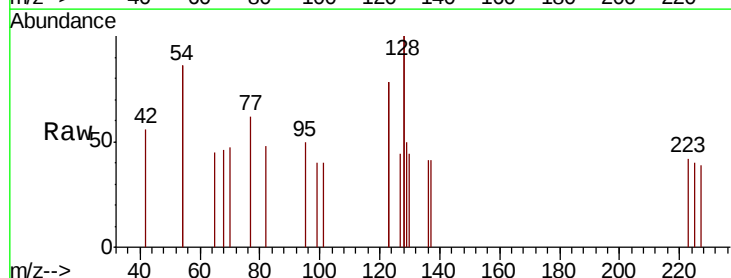
Tgt Ion:225 Resp: 3

Ion Ratio Lower Upper

225 100

223 0.0 49.1 73.7#

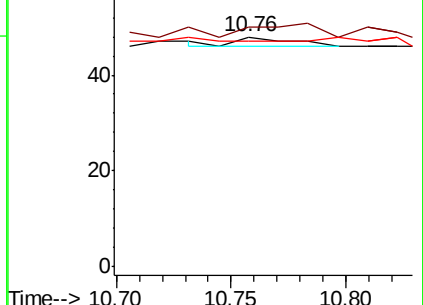
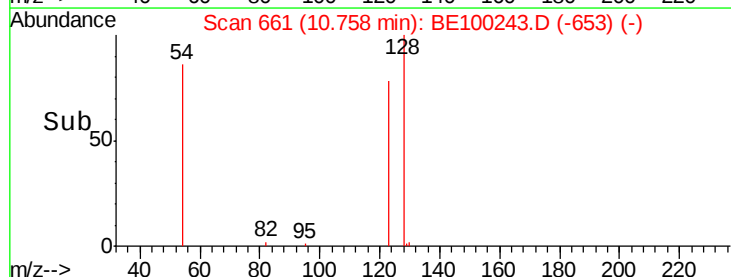
227 0.0 49.3 73.9#

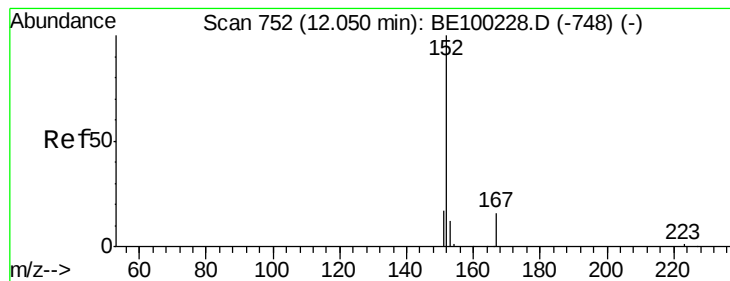


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.378 ng

RT: 12.04 min Scan# 751

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

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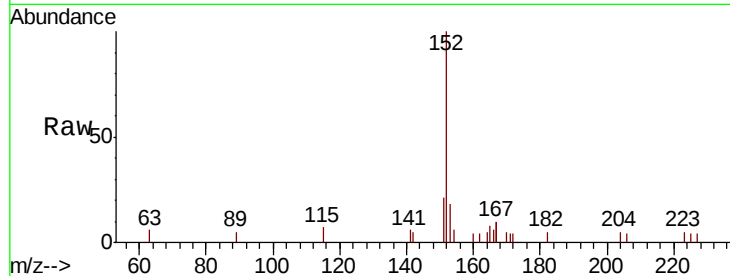
PST-007-SW049-061819

Tgt Ion:152 Resp: 2019

Ion Ratio Lower Upper

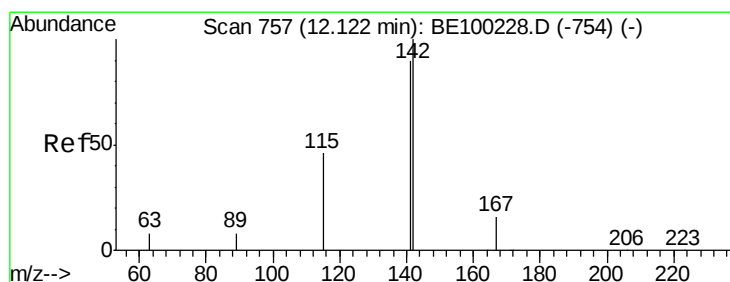
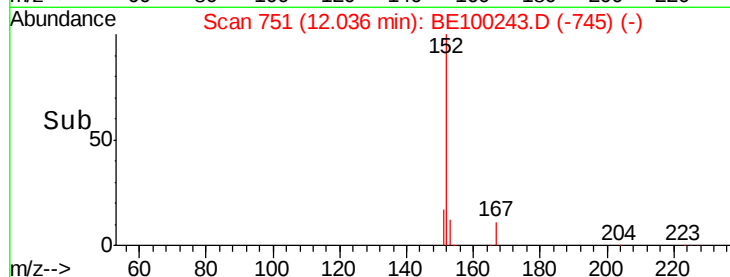
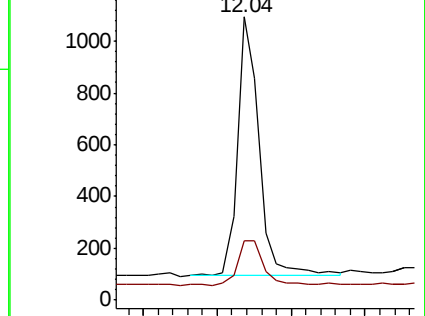
152 100

151 20.2 15.1 22.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.056 ng

RT: 12.12 min Scan# 757

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

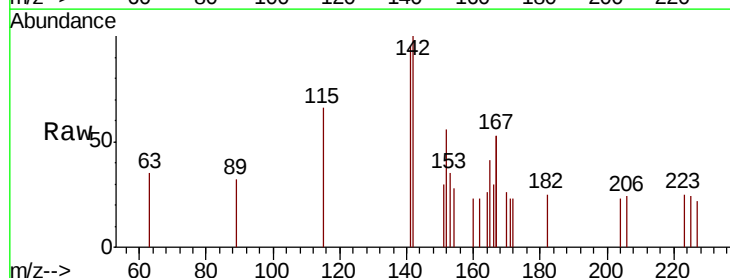
Tgt Ion:142 Resp: 310

Ion Ratio Lower Upper

142 100

141 94.7 72.4 108.6

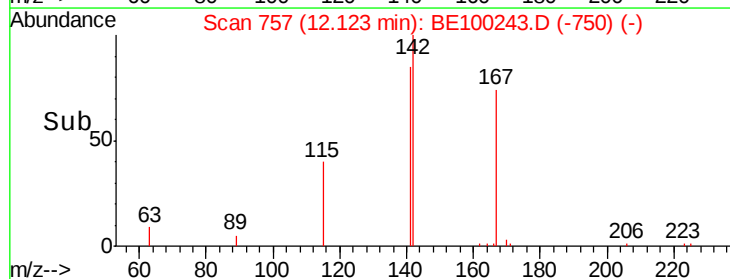
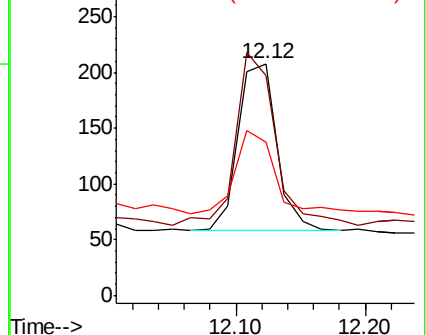
115 66.3 40.4 60.6#



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

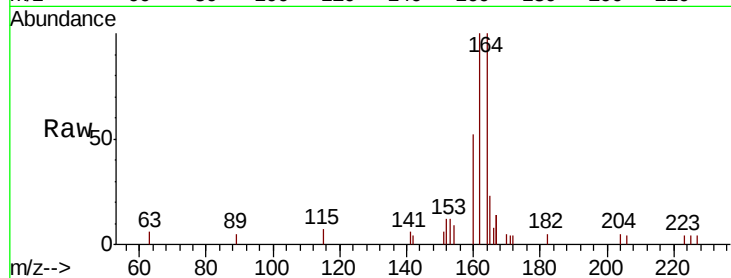




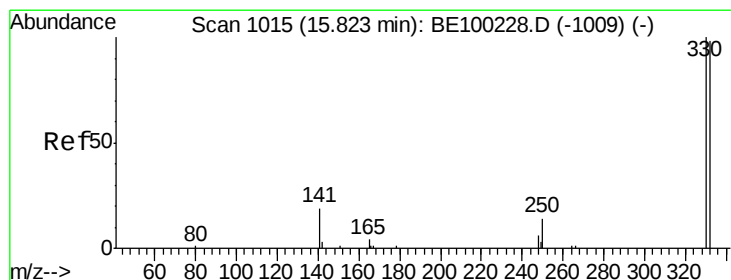
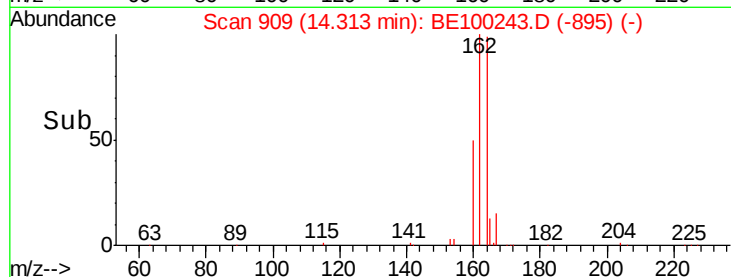
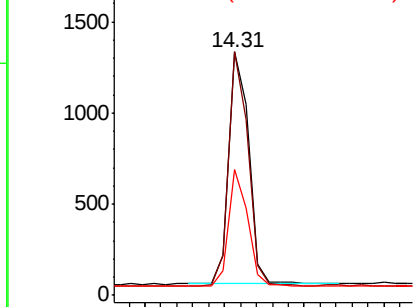
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

Tgt Ion:164 Resp: 2229
Ion Ratio Lower Upper
164 100
162 100.1 83.4 125.0
160 51.6 45.0 67.6

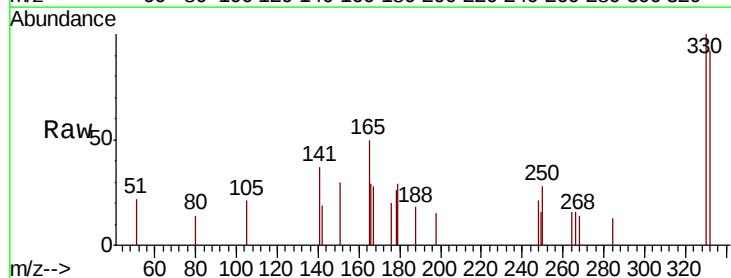


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

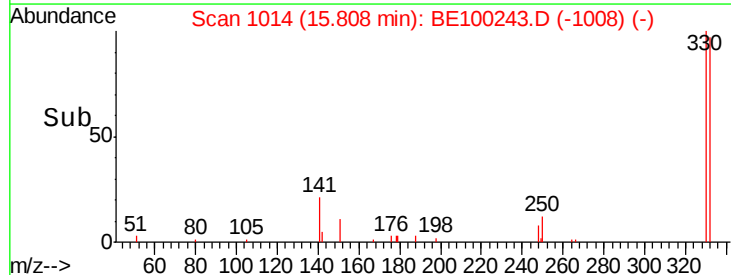
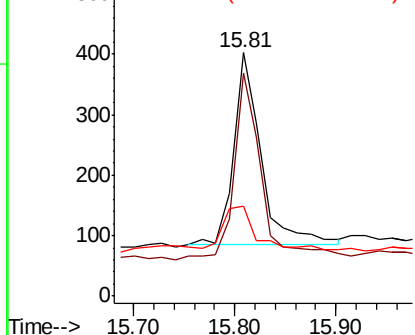


#14
2,4,6-Tribromophenol
Concen: 0.376 ng
RT: 15.81 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion:330 Resp: 587
Ion Ratio Lower Upper
330 100
332 89.6 77.0 115.4
141 26.6 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

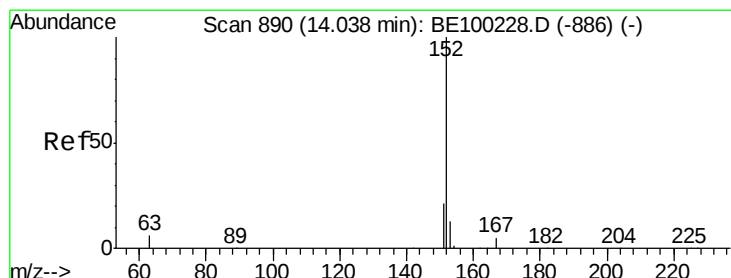
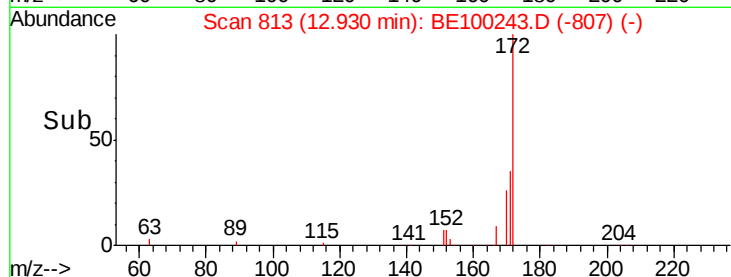
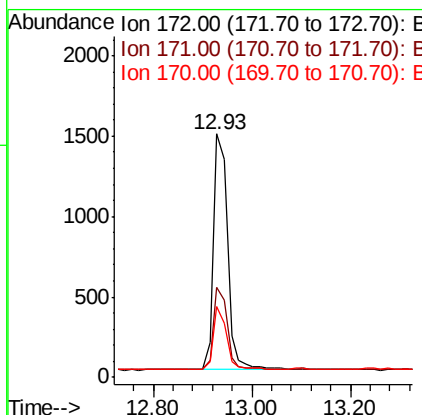
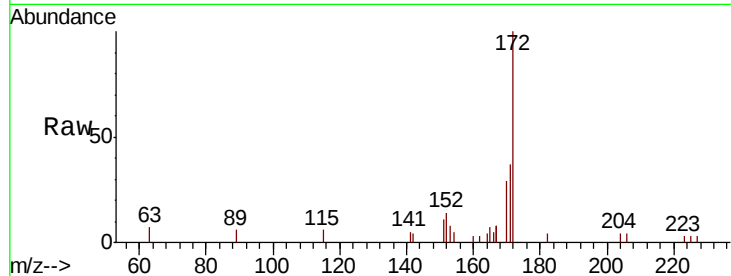




#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 12.93 min Scan# 813
Delta R.T. -0.01 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

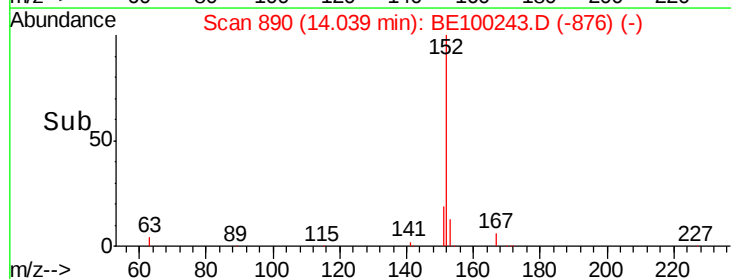
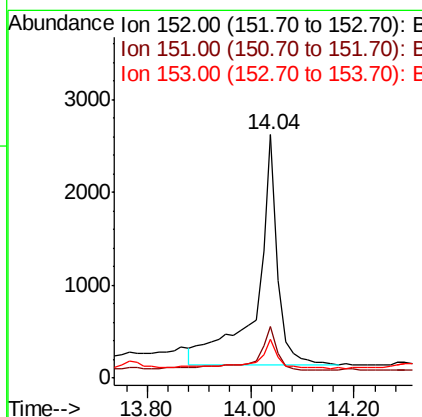
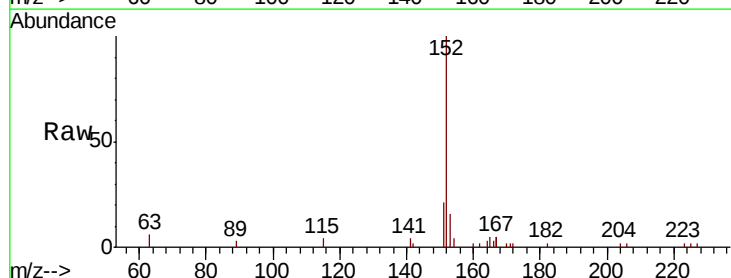
Instrument :
BNA_E
ClientSampleId :
PST-007-SW049-061819

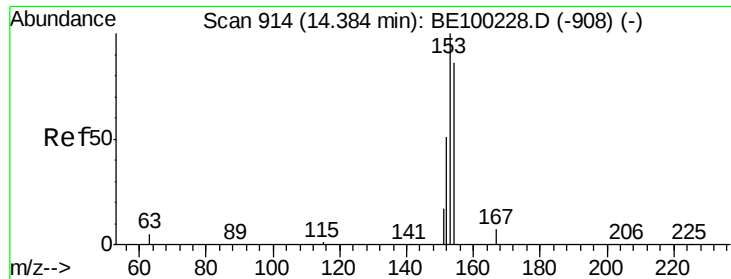
Tgt Ion:172 Resp: 2897
Ion Ratio Lower Upper
172 100
171 37.2 31.9 47.9
170 28.9 22.2 33.2



#16
Acenaphthylene
Concen: 0.648 ng
RT: 14.04 min Scan# 890
Delta R.T. 0.00 min
Lab File: BE100243.D
Acq: 28 Jun 2019 20:15

Tgt Ion:152 Resp: 6932
Ion Ratio Lower Upper
152 100
151 19.5 16.6 25.0
153 10.7 10.5 15.7





#17

Acenaphthene

Concen: 0.096 ng

RT: 14.38 min Scan# 914

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

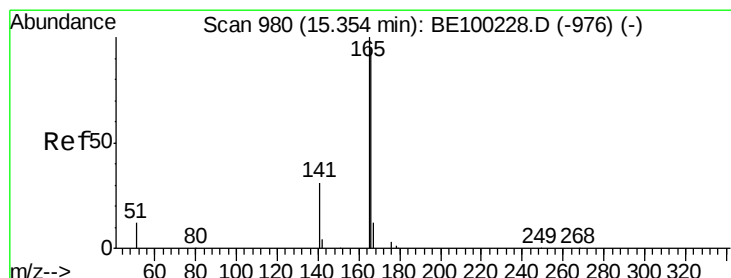
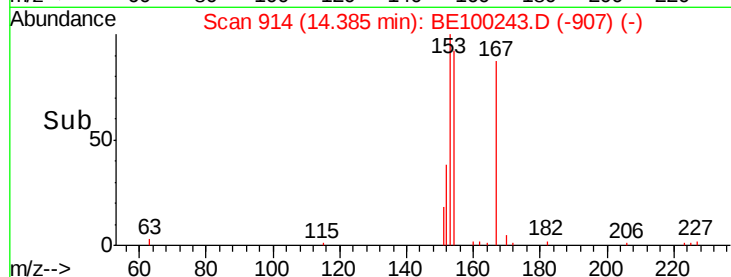
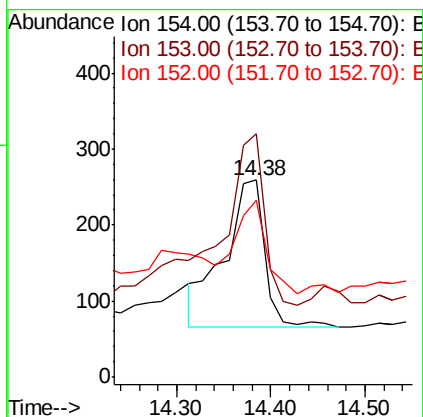
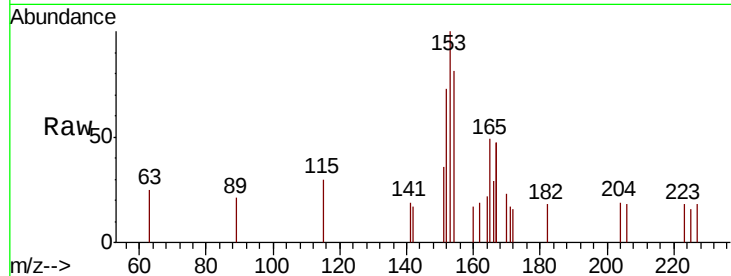
Tgt Ion:154 Resp: 582

Ion Ratio Lower Upper

154 100

153 107.9 93.4 140.2

152 48.8 49.4 74.2#



#18

Fluorene

Concen: 0.122 ng

RT: 15.35 min Scan# 980

Delta R.T. -0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

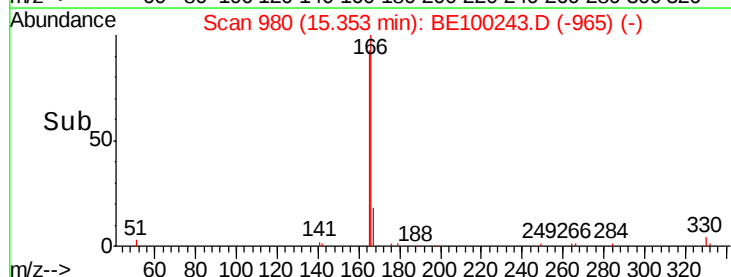
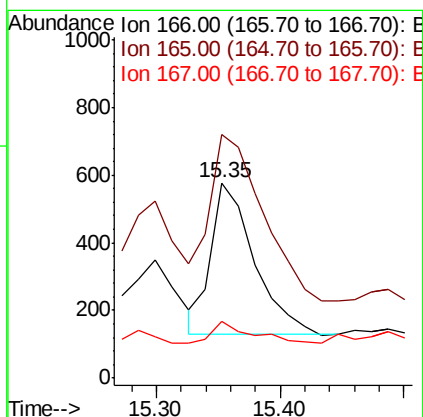
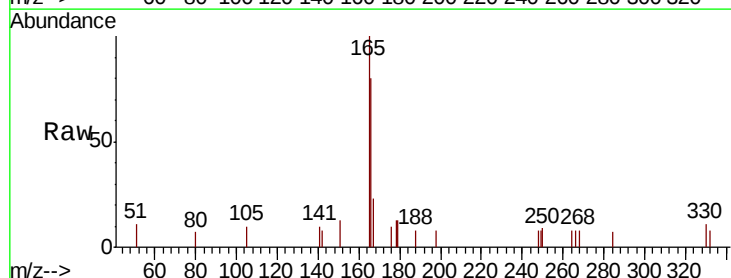
Tgt Ion:166 Resp: 1091

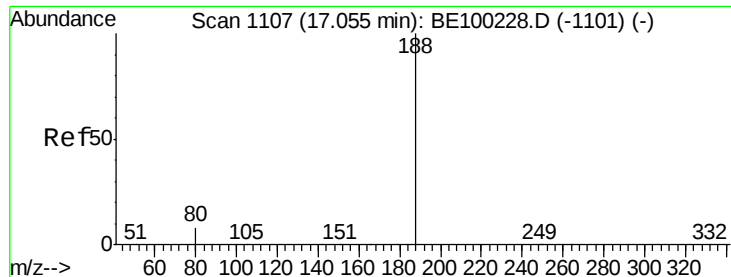
Ion Ratio Lower Upper

166 100

165 133.5 81.1 121.7#

167 13.1 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: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

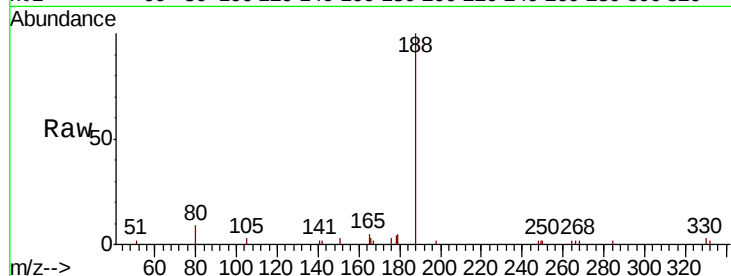
Tgt Ion:188 Resp: 6789

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

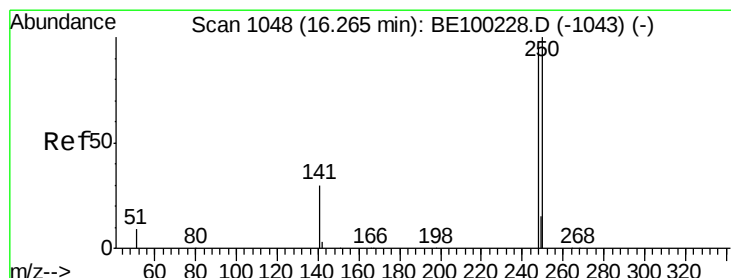
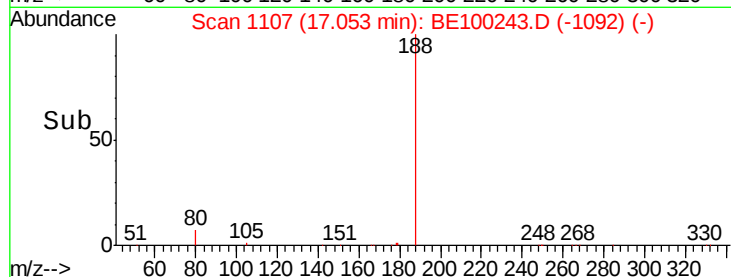
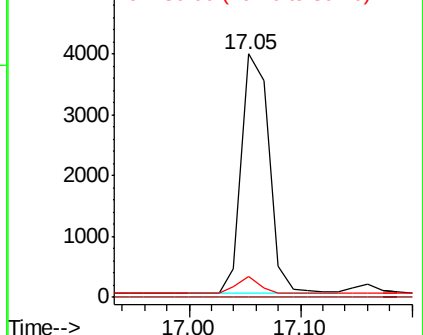
80 8.7 7.6 11.4



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: 0.004 ng

RT: 16.29 min Scan# 1050

Delta R.T. 0.03 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

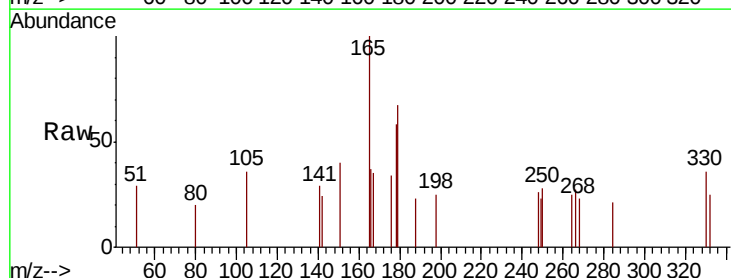
Tgt Ion:248 Resp: 19

Ion Ratio Lower Upper

248 100

250 107.1 84.2 126.4

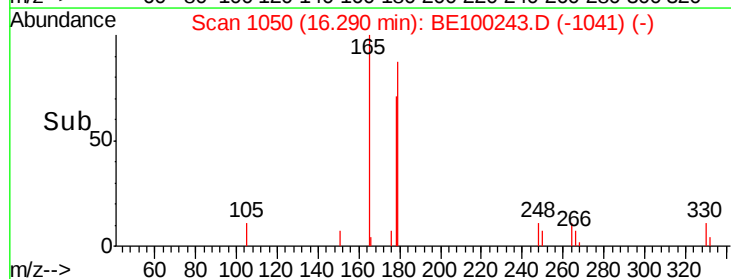
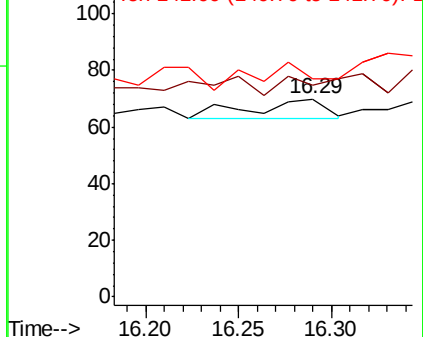
141 110.0 29.3 43.9#

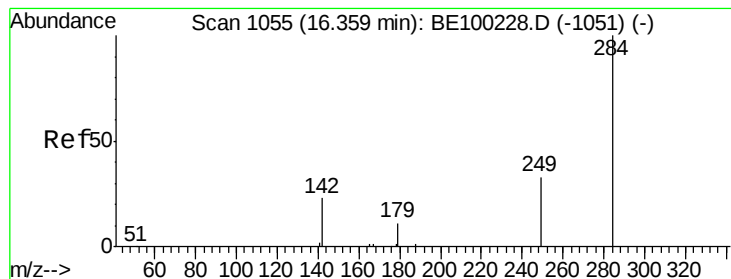


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.005 ng

RT: 16.36 min Scan# 1055

Delta R.T. -0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

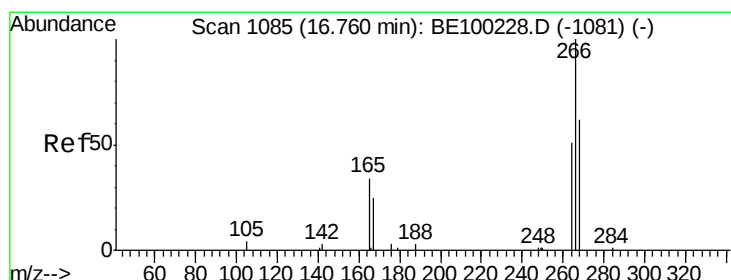
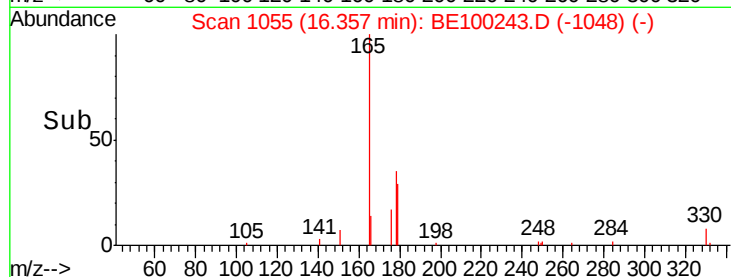
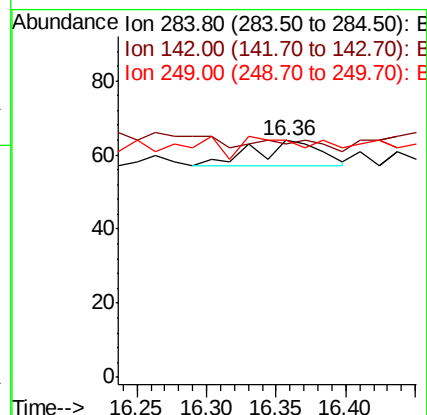
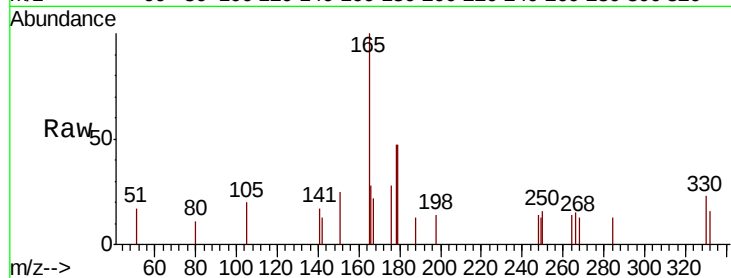
Tgt Ion:284 Resp: 23

Ion Ratio Lower Upper

284 100

142 0.0 18.8 28.2#

249 0.0 23.7 35.5#



#22

Pentachlorophenol

Concen: 0.029 ng

RT: 16.73 min Scan# 1083

Delta R.T. -0.03 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

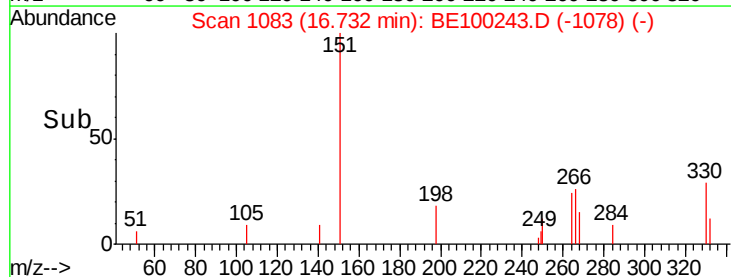
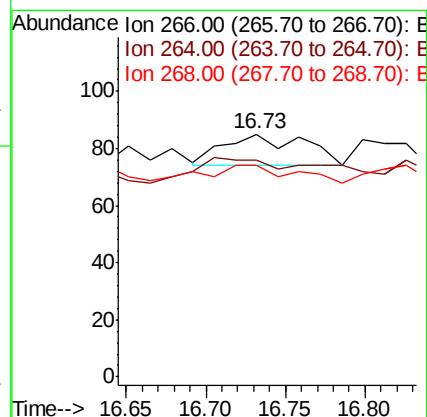
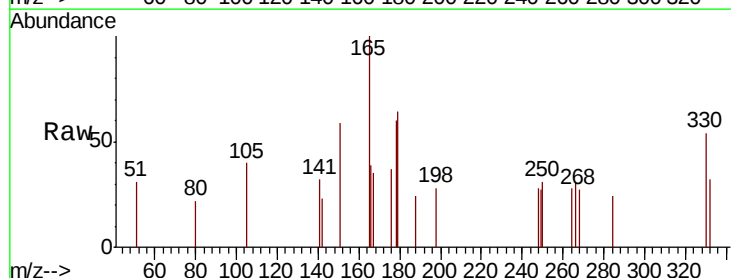
Tgt Ion:266 Resp: 39

Ion Ratio Lower Upper

266 100

264 89.4 56.2 84.2#

268 87.1 61.8 92.6





#23

Phenanthrene

Concen: 1.304 ng

RT: 17.11 min Scan# 1111

Delta R.T. -0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

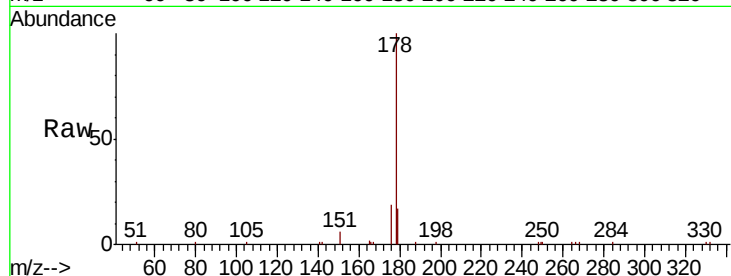
Tgt Ion:178 Resp: 21451

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

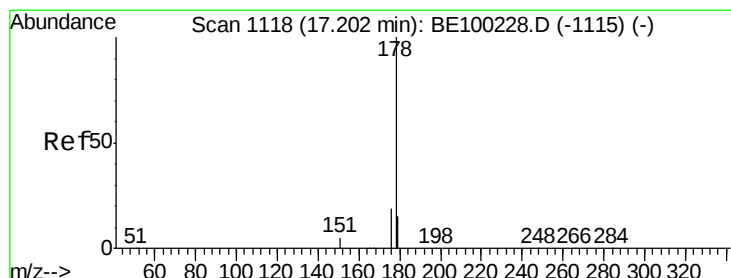
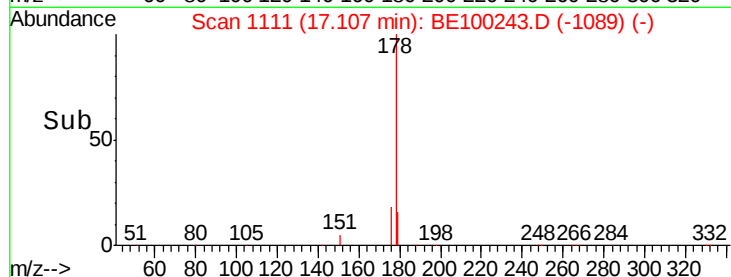
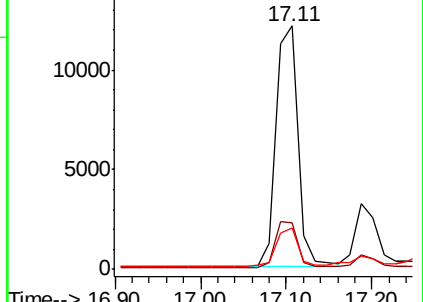
179 16.2 12.2 18.2



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



#24

Anthracene

Concen: 0.372 ng

RT: 17.19 min Scan# 1117

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

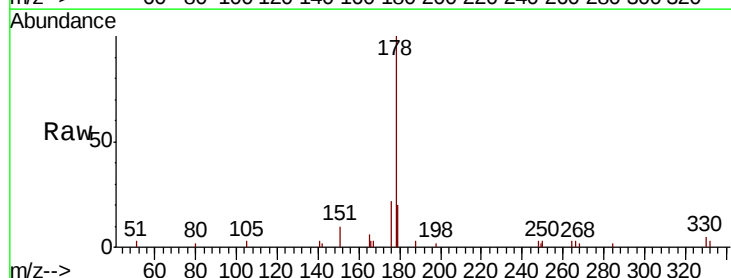
Tgt Ion:178 Resp: 5511

Ion Ratio Lower Upper

178 100

176 19.2 15.3 22.9

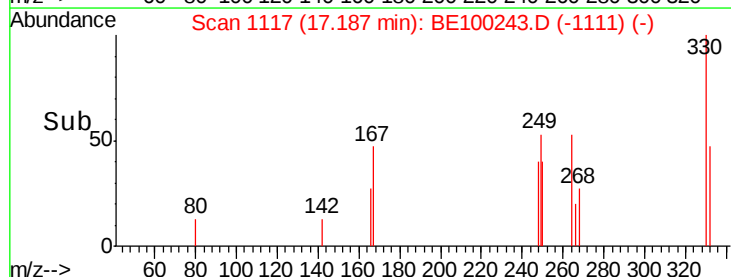
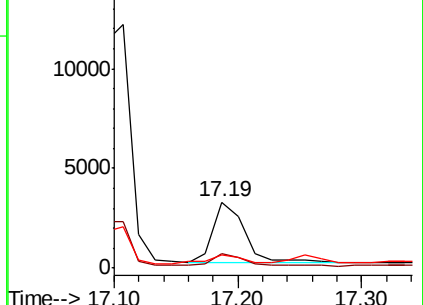
179 14.3 12.2 18.2

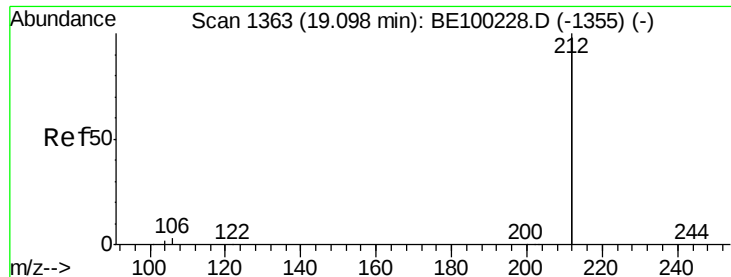


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.351 ng

RT: 19.10 min Scan# 1363

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

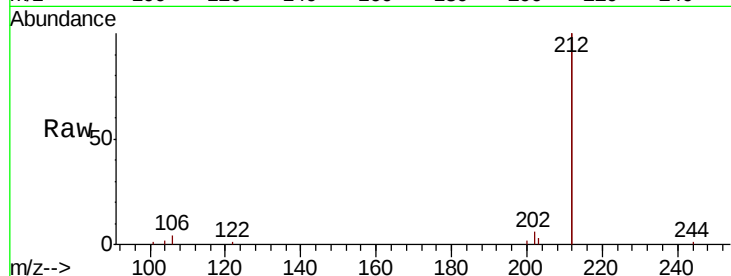
Instrument :

BNA_E

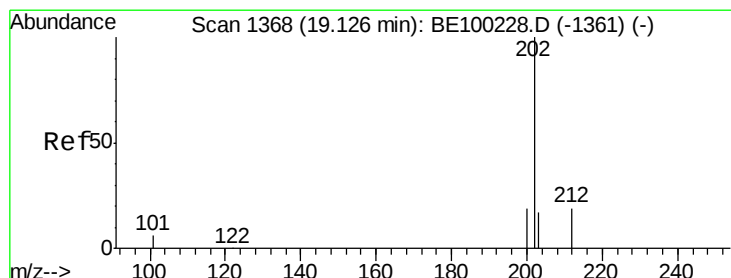
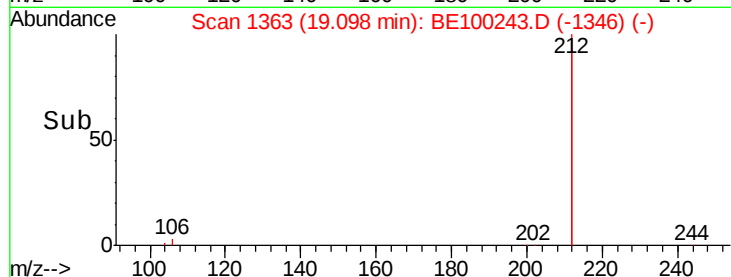
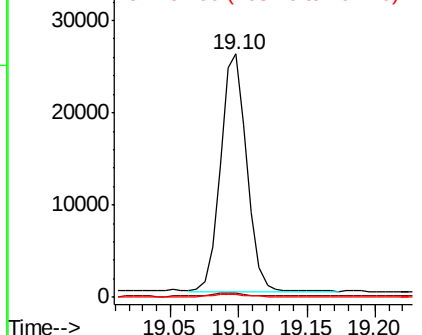
ClientSampleId :

PST-007-SW049-061819

Tgt Ion:	212	Resp:	34586
Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	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: 3.421 ng

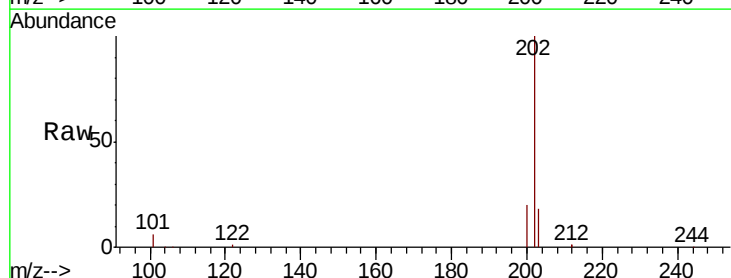
RT: 19.13 min Scan# 1368

Delta R.T. 0.00 min

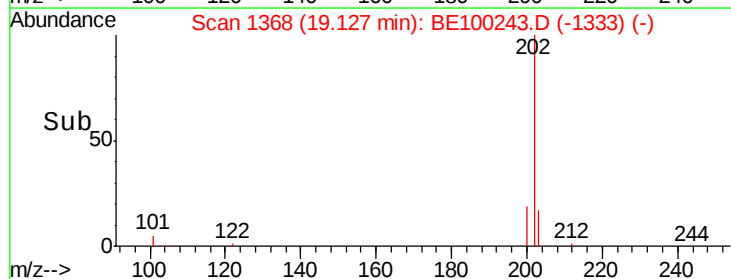
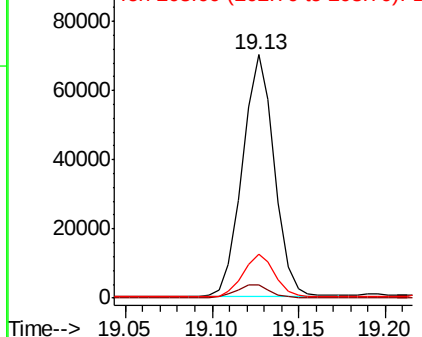
Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Tgt Ion:	202	Resp:	89659
Ion	Ratio	Lower	Upper
202	100		
101	5.6	4.6	7.0
203	17.6	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

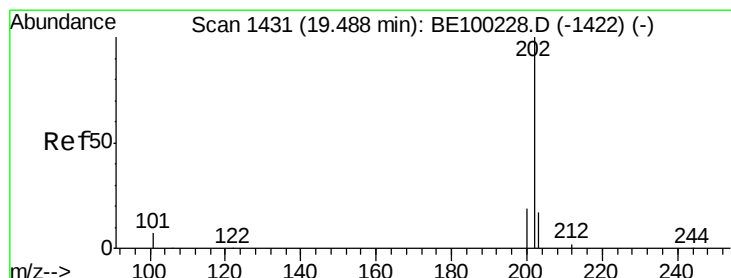
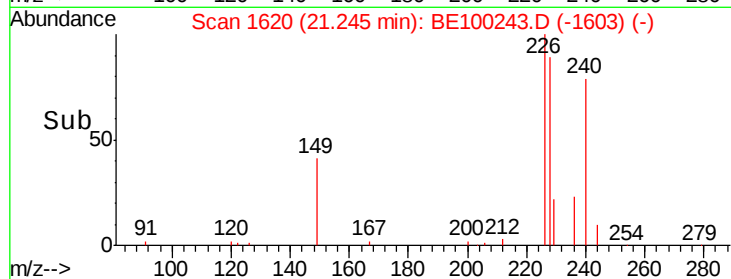
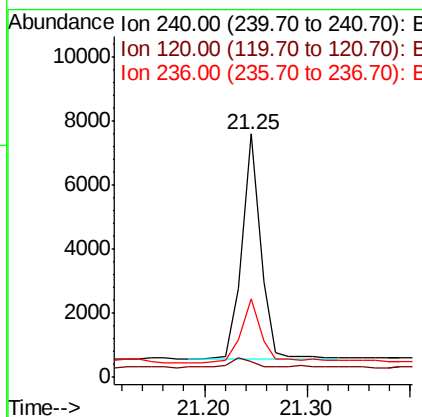
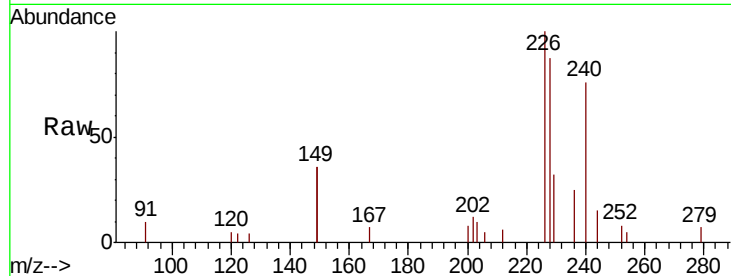




#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 1620
 Delta R.T. 0.00 min
 Lab File: BE100243.D
 Acq: 28 Jun 2019 20:15

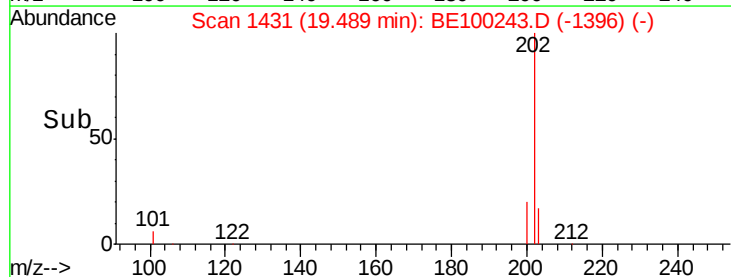
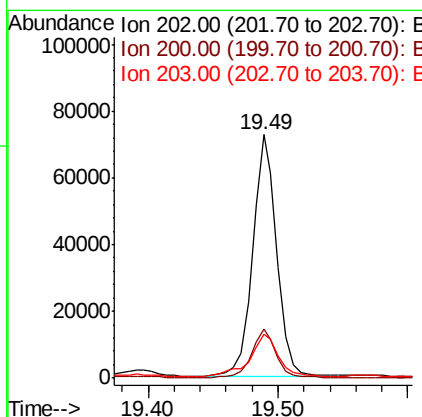
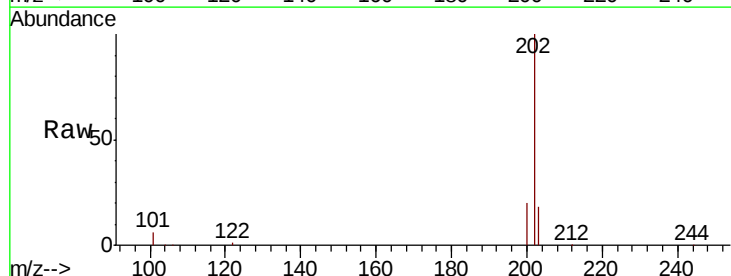
Instrument :
 BNA_E
 ClientSampleId :
 PST-007-SW049-061819

Tgt Ion:240 Resp: 8910
 Ion Ratio Lower Upper
 240 100
 120 6.7 3.3 4.9#
 236 32.3 22.6 34.0



#28
 Pyrene
 Concen: 3.898 ng
 RT: 19.49 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BE100243.D
 Acq: 28 Jun 2019 20:15

Tgt Ion:202 Resp: 91952
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.6 23.4
 203 20.7 14.0 21.0





#29

Terphenyl-d14

Concen: 0.381 ng

RT: 19.70 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

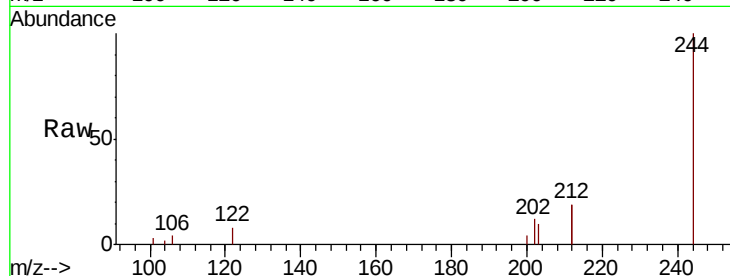
Tgt Ion:244 Resp: 7029

Ion Ratio Lower Upper

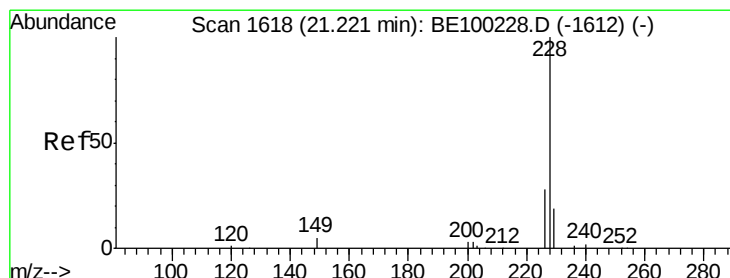
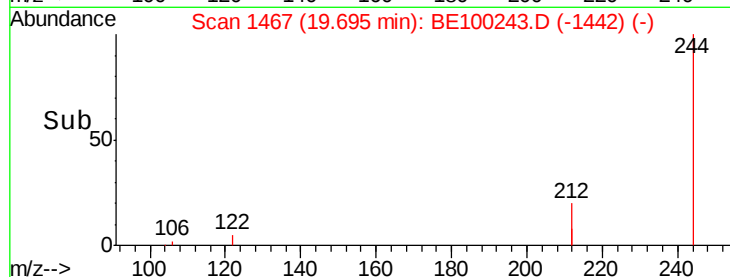
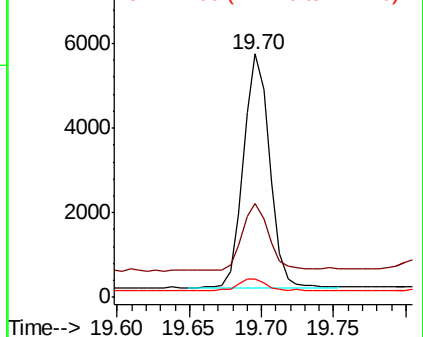
244 100

212 38.5 27.3 40.9

122 7.5 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: 1.987 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.06 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

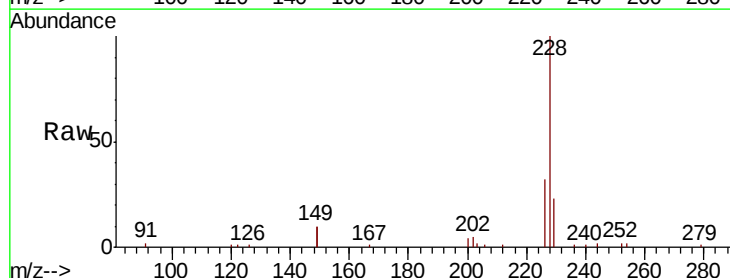
Tgt Ion:228 Resp: 58220

Ion Ratio Lower Upper

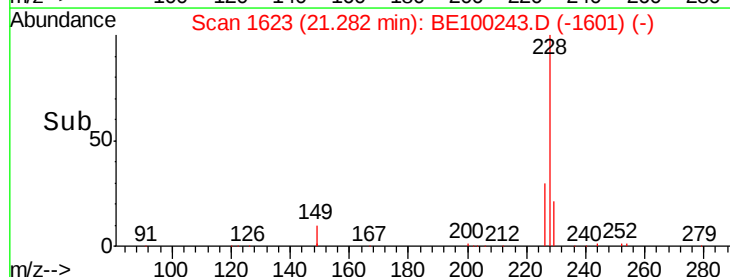
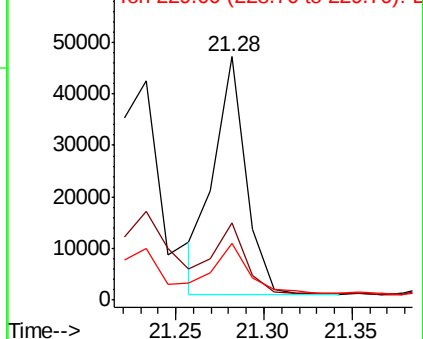
228 100

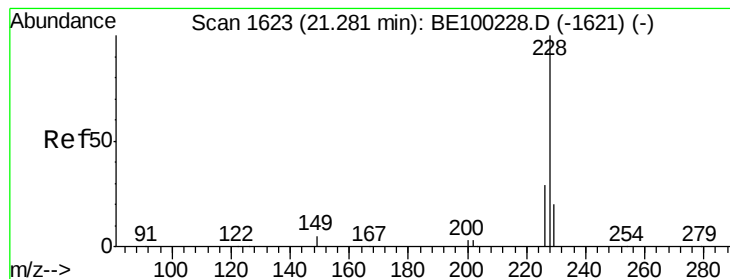
226 31.9 23.2 34.8

229 23.4 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: 1.966 ng

RT: 21.28 min Scan# 1623

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

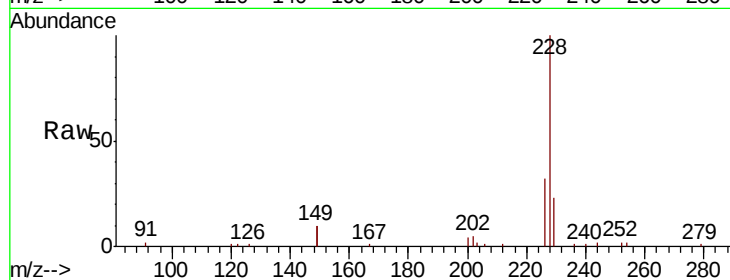
Tgt Ion:228 Resp: 57829

Ion Ratio Lower Upper

228 100

226 31.9 23.9 35.9

229 23.4 16.5 24.7

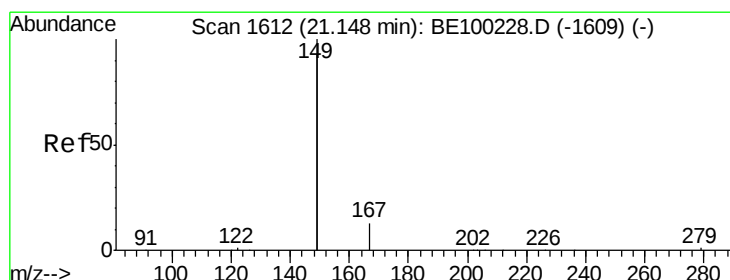
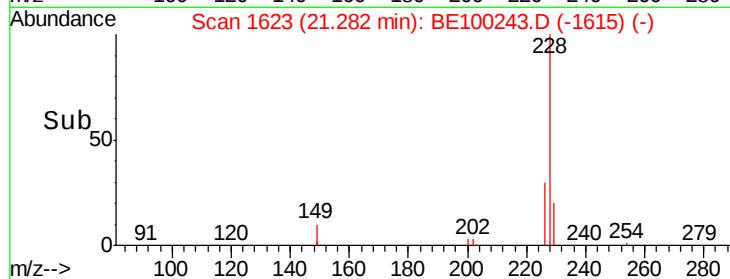
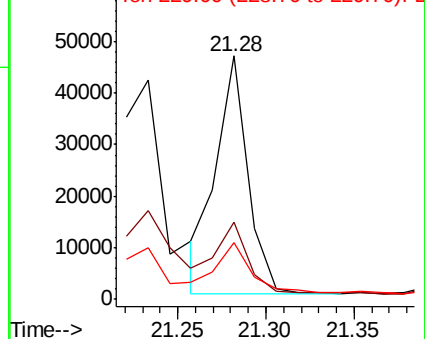


Abundance

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: 2.516 ng

RT: 21.15 min Scan# 1612

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

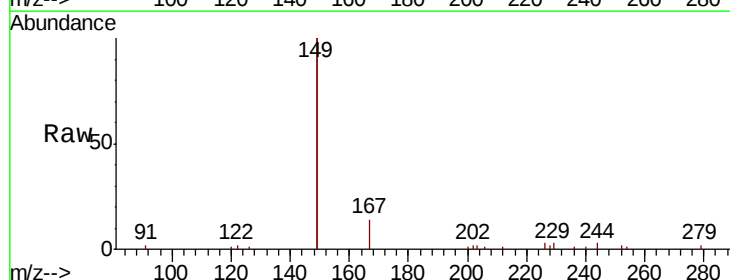
Tgt Ion:149 Resp: 106559

Ion Ratio Lower Upper

149 100

167 7.5 5.8 8.8

279 1.7 1.1 1.7

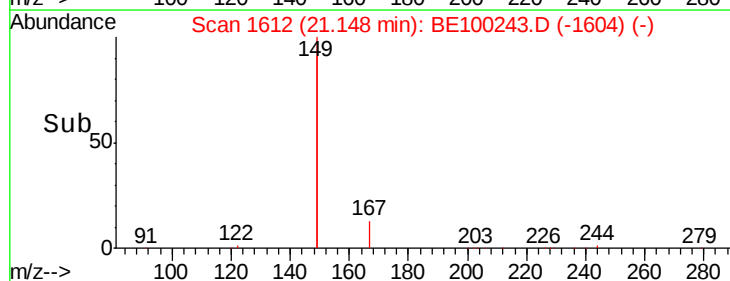
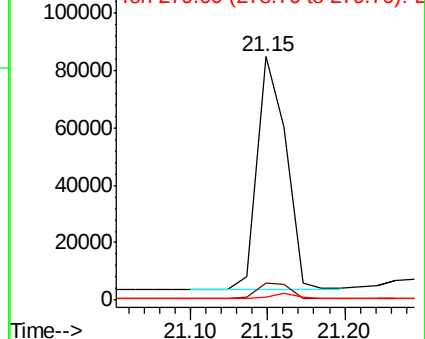


Abundance

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: 1.158 ng

RT: 26.22 min Scan# 2856

Delta R.T. 0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

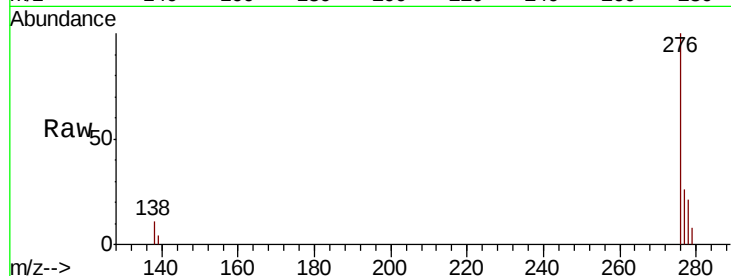
Tgt Ion: 276 Resp: 45039

Ion Ratio Lower Upper

276 100

138 9.2 9.4 14.0#

277 24.8 19.2 28.8

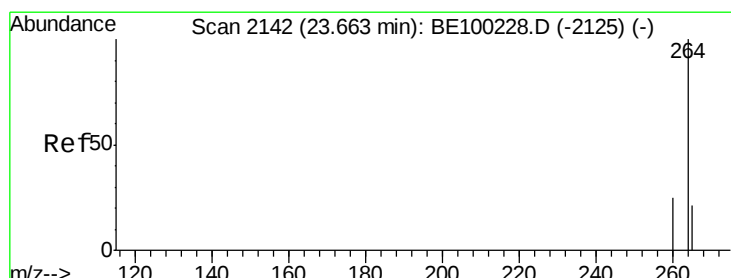
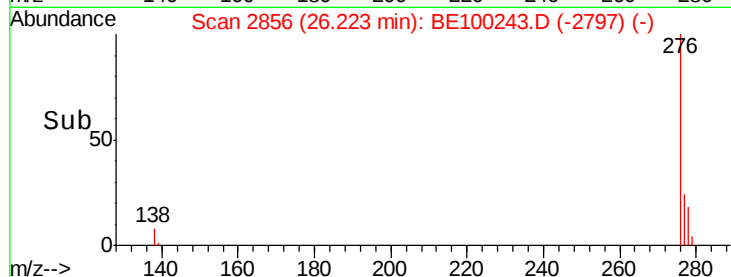
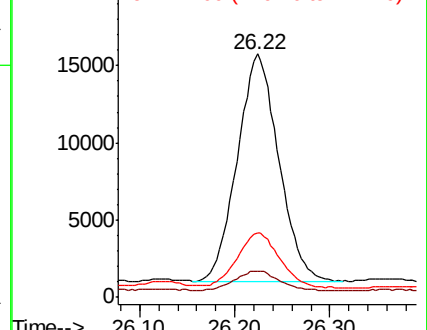


Abundance

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: BE100243.D

Acq: 28 Jun 2019 20:15

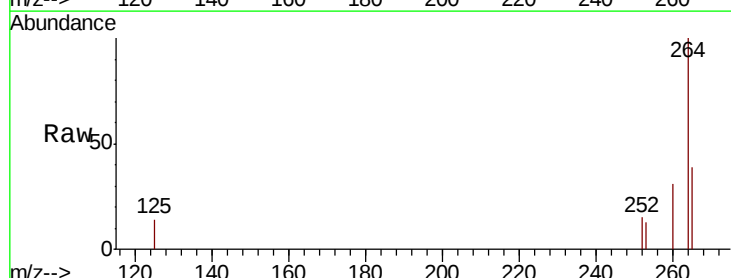
Tgt Ion: 264 Resp: 10944

Ion Ratio Lower Upper

264 100

260 30.5 20.8 31.2

265 39.1 21.8 32.6#

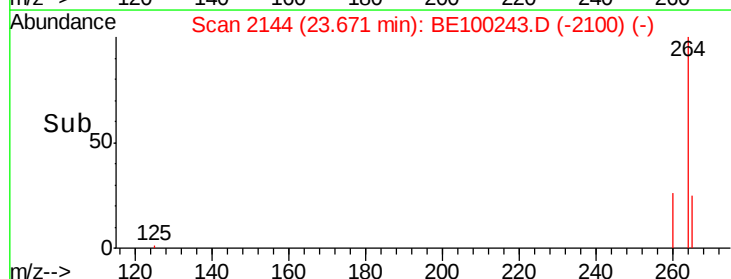
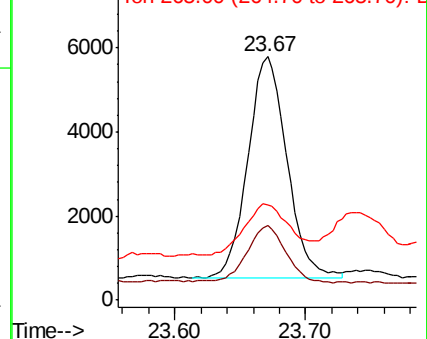


Abundance

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: 2.786 ng

RT: 22.93 min Scan# 1935

Delta R.T. 0.00 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

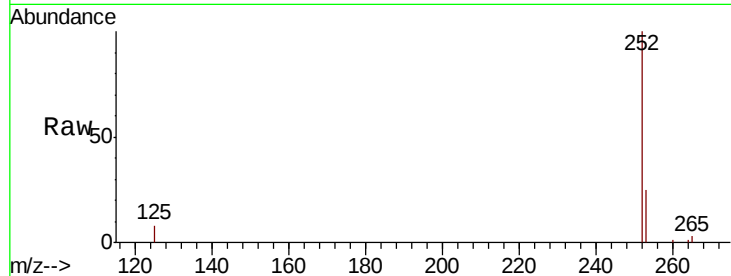
Tgt Ion:252 Resp: 82677

Ion Ratio Lower Upper

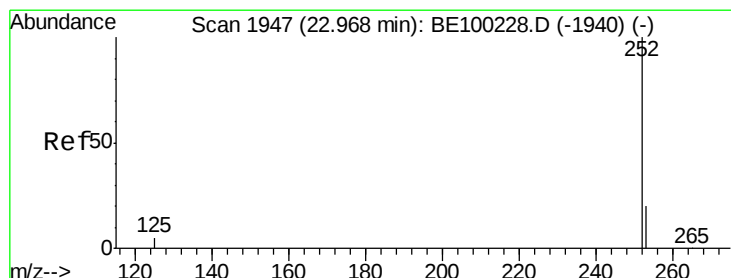
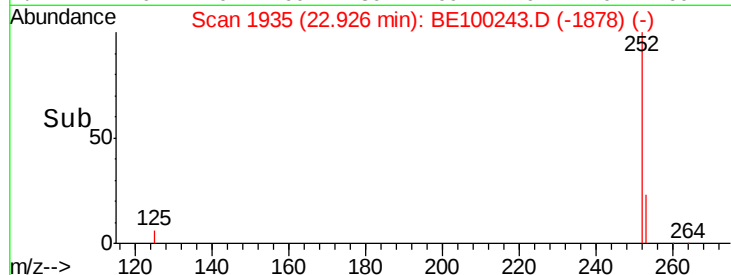
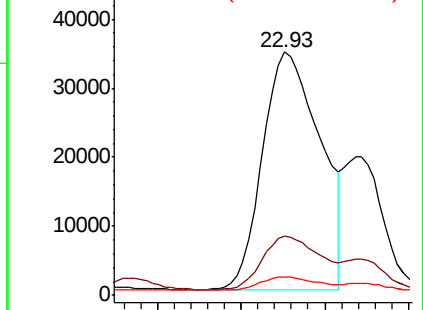
252 100

253 24.6 19.2 28.8

125 7.7 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: 2.496 ng

RT: 22.93 min Scan# 1935

Delta R.T. -0.04 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

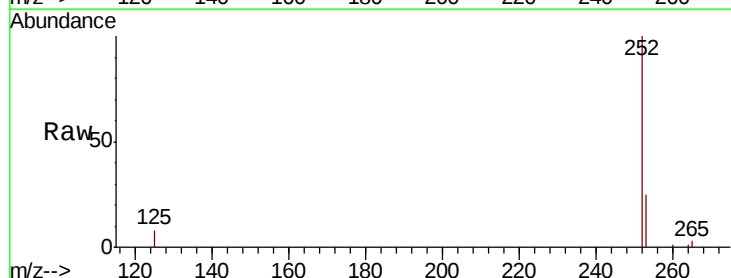
Tgt Ion:252 Resp: 82677

Ion Ratio Lower Upper

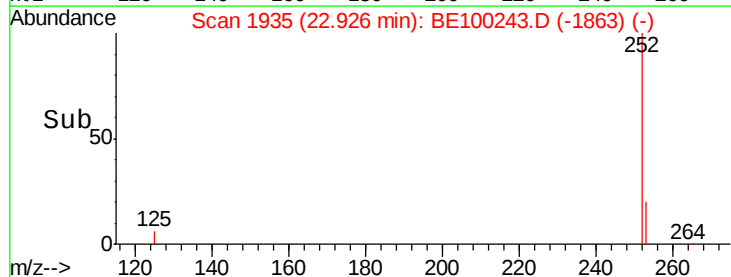
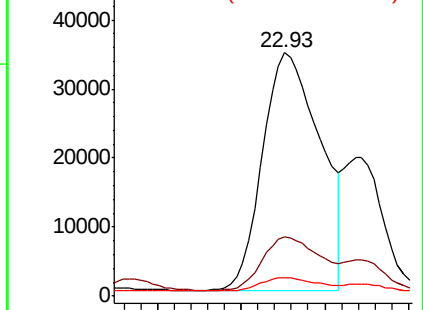
252 100

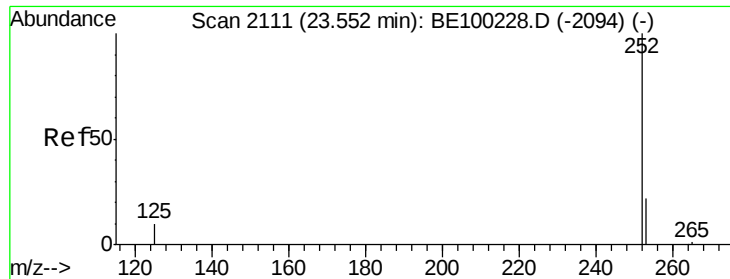
253 24.6 17.9 26.9

125 7.7 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: 1.433 ng

RT: 23.45 min Scan# 2083

Delta R.T. -0.10 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819

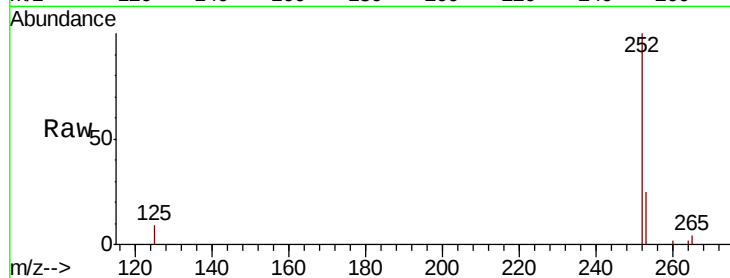
Tgt Ion: 252 Resp: 42606

Ion Ratio Lower Upper

252 100

253 24.7 19.6 29.4

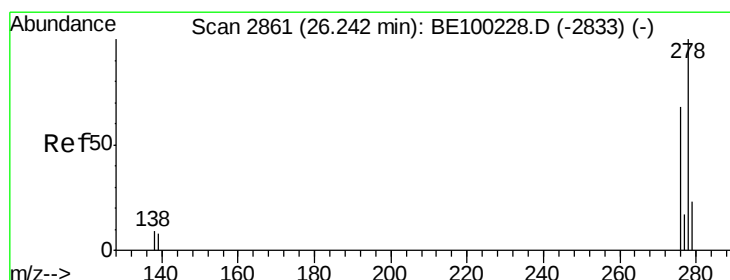
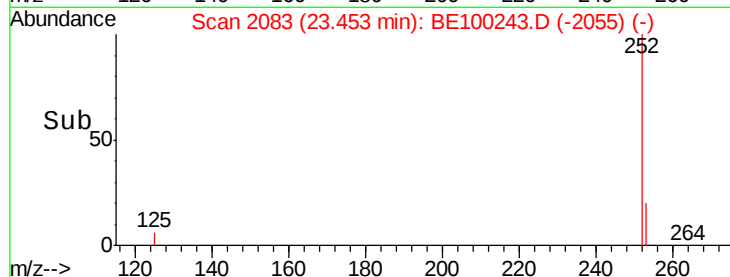
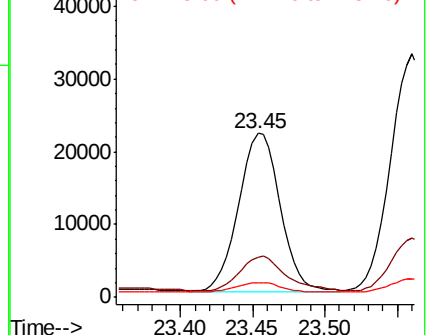
125 9.1 9.0 13.6



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: 0.181 ng

RT: 26.23 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE100243.D

Acq: 28 Jun 2019 20:15

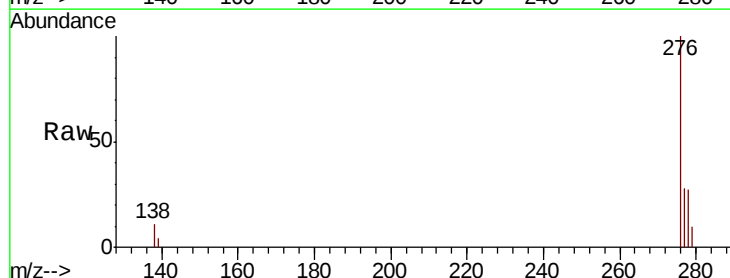
Tgt Ion: 278 Resp: 5631

Ion Ratio Lower Upper

278 100

139 15.6 8.2 12.2#

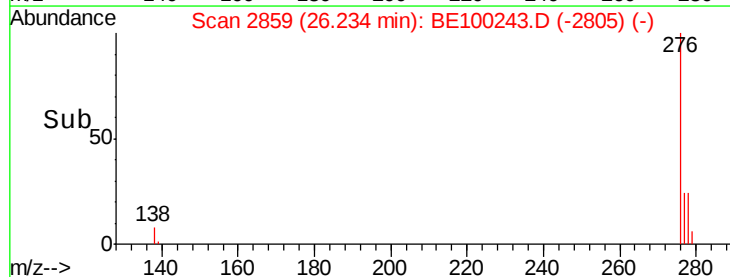
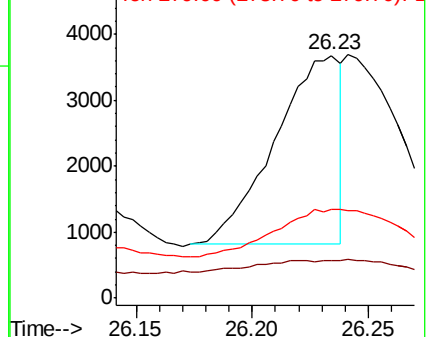
279 36.4 20.3 30.5#



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: 1.380 ng

RT: 27.02 min Scan# 3079

Delta R.T. 0.01 min

Lab File: BE100243.D

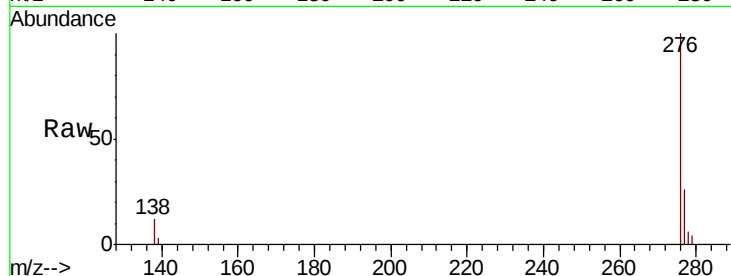
Acq: 28 Jun 2019 20:15

Instrument :

BNA_E

ClientSampleId :

PST-007-SW049-061819



Tgt Ion: 276 Resp: 44029

Ion Ratio Lower Upper

276 100

277 26.3 20.2 30.2

138 11.6 9.0 13.6

