

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE101519\
 Data File : BE100643.D
 Acq On : 15 Oct 2019 10:27
 Operator : JU
 Sample : K4994-04
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Oct 15 11:52:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE101019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 10 14:01:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	4890	0.40	ng	-0.01
7) Naphthalene-d8	10.64	136	21872	0.40	ng	0.00
13) Acenaphthene-d10	14.48	164	17841	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	43768	0.40	ng	0.00
27) Chrysene-d12	21.38	240	58255	0.40	ng	0.01
34) Perylene-d12	23.86	264	68645	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.44	112	4297	0.28	ng	0.00
5) Phenol-d6	7.01	99	6622	0.31	ng	0.00
8) Nitrobenzene-d5	8.99	82	4608	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	12.22	152	9230	0.27	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	1648	0.35	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	12098	0.19	ng	0.00
25) Fluoranthene-d10	19.23	212	140357	0.25	ng	0.00
29) Terphenyl-d14	19.83	244	32804	0.26	ng	0.00

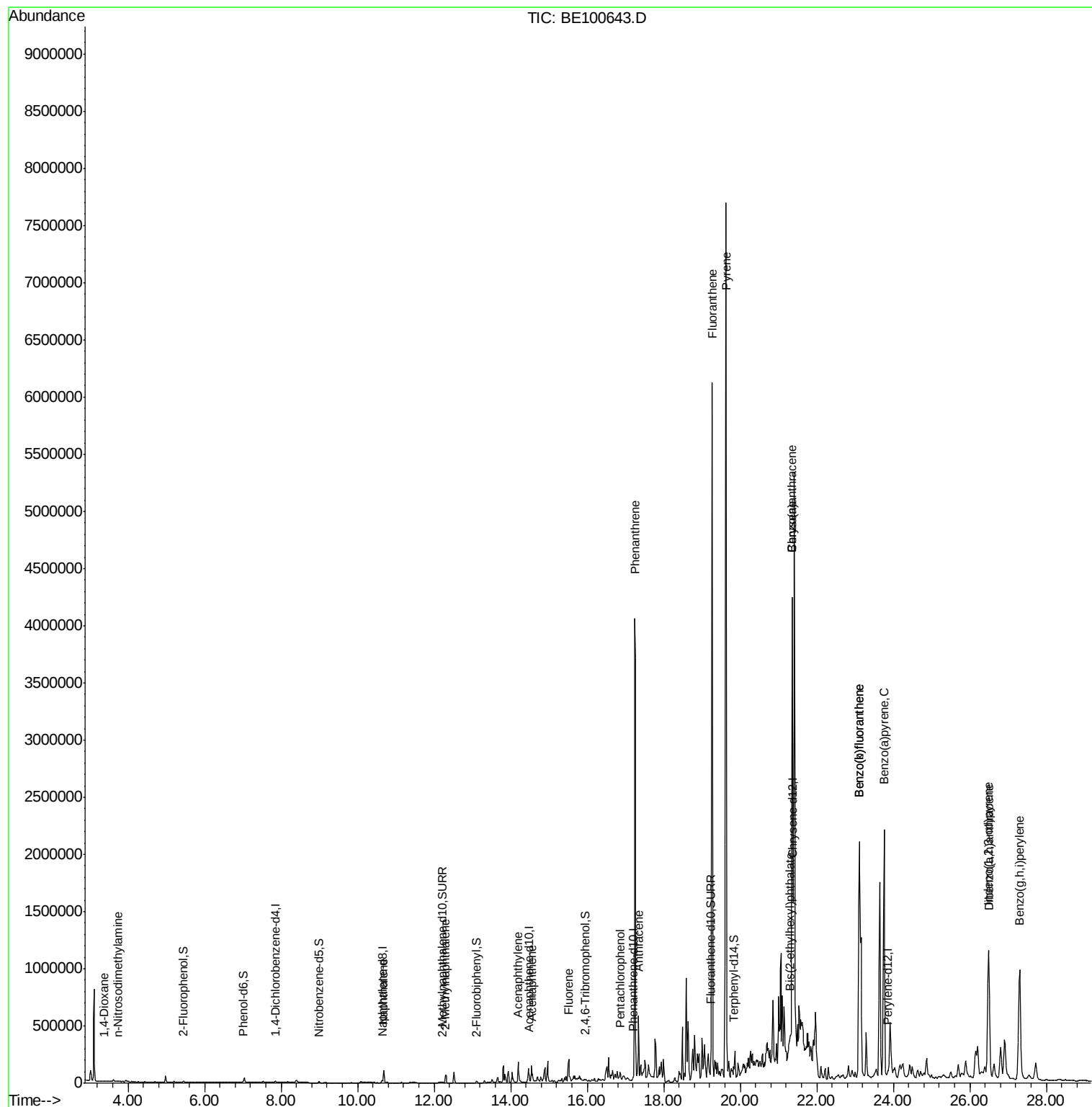
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.37	88	495	0.057	ng	# 100
3) n-Nitrosodimethylamine	3.73	42	201	0.022	ng	# 1
9) Naphthalene	10.68	128	199220	0.866	ng	100
12) 2-Methylnaphthalene	12.30	142	57032	1.455	ng	93
16) Acenaphthylene	14.20	152	195813	2.551	ng	# 96
17) Acenaphthene	14.54	154	71470	1.441	ng	88
18) Fluorene	15.51	166	161653	2.453	ng	# 85
22) Pentachlorophenol	16.85	266	205	0.030	ng	# 44
23) Phenanthrene	17.24	178	4946336	41.087	ng	96
24) Anthracene	17.34	178	556986	4.986	ng	99
26) Fluoranthene	19.27	202	5858446	37.285	ng	# 92
28) Pyrene	19.63	202	7864283	48.319	ng	# 83
30) Benzo(a)anthracene	21.35	228	4260321	22.419	ng	# 89
31) Chrysene	21.35	228	2777025	14.623	ng	94
32) Bis(2-ethylhexyl)phthalate	21.31	149	175004	0.440	ng	# 86
33) Indeno(1,2,3-cd)pyrene	26.49	276	2126176	9.109	ng	96
35) Benzo(b)fluoranthene	23.11	252	4216987	21.068	ng	98
36) Benzo(k)fluoranthene	23.11	252	4216987	20.485	ng	98
37) Benzo(a)pyrene	23.76	252	3529498	18.943	ng	98
38) Dibenzo(a,h)anthracene	26.50	278	663675	3.446	ng	# 93
39) Benzo(g,h,i)perylene	27.30	276	2464787	12.726	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.85 min Scan# 433

Delta R.T. -0.01 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

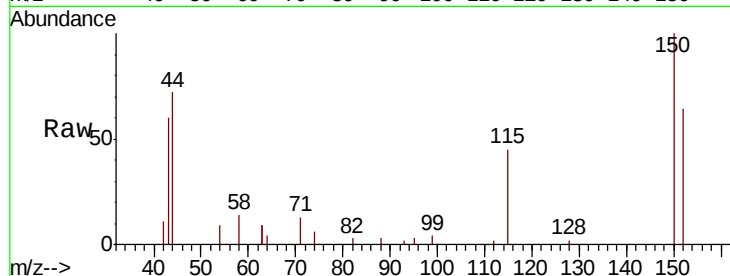
Tot Ion:152 Resp: 4890

Ion Ratio Lower Upper

152 100

150 157.1 120.7 181.1

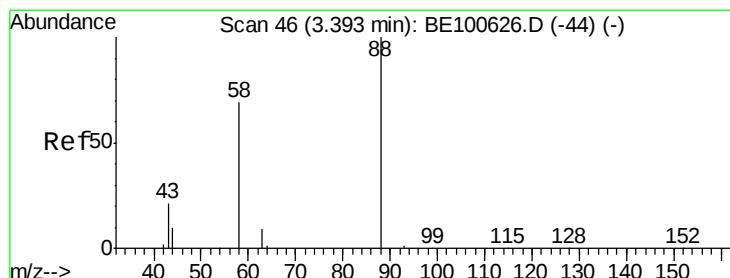
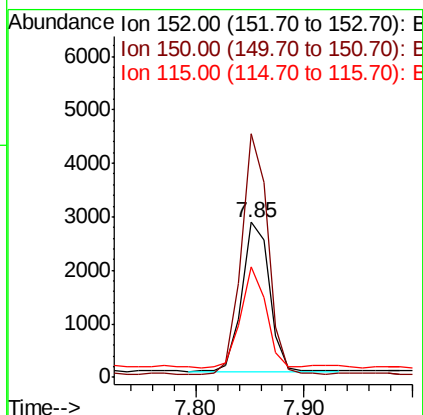
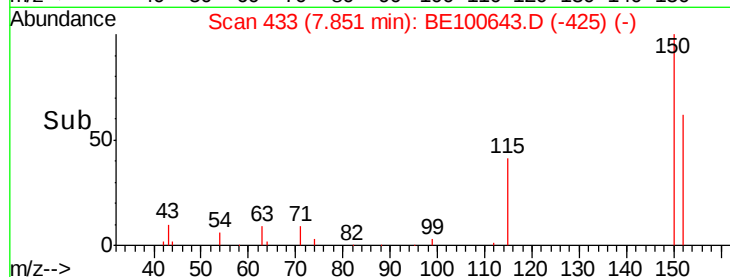
115 71.1 48.0 72.0



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: 0.057 ng

RT: 3.37 min Scan# 44

Delta R.T. -0.02 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

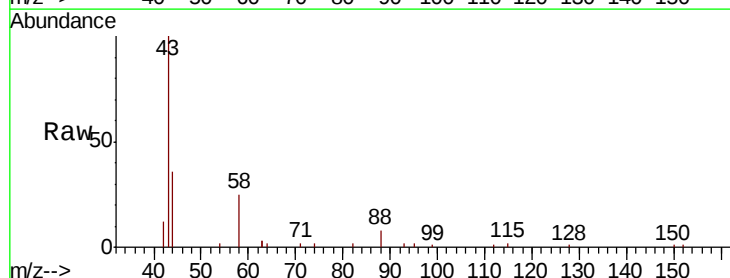
Tgt Ion: 88 Resp: 495

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

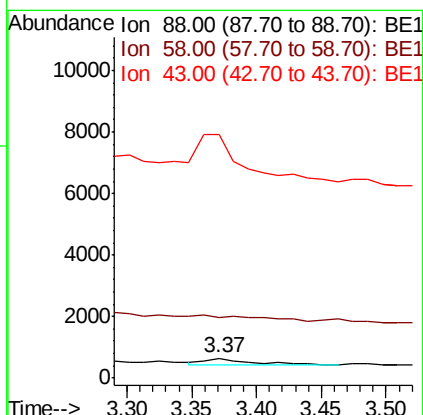
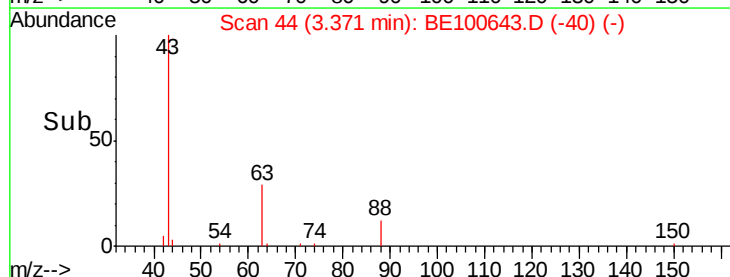
43 692.9 0.0 0.0#



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



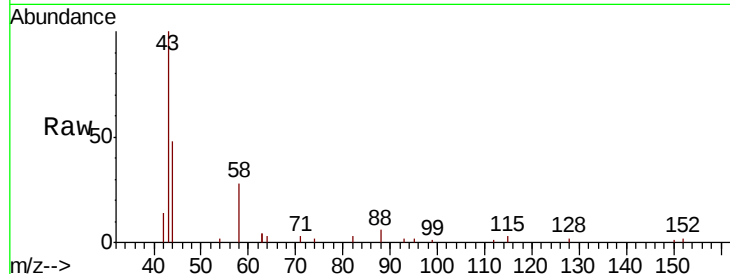


#3

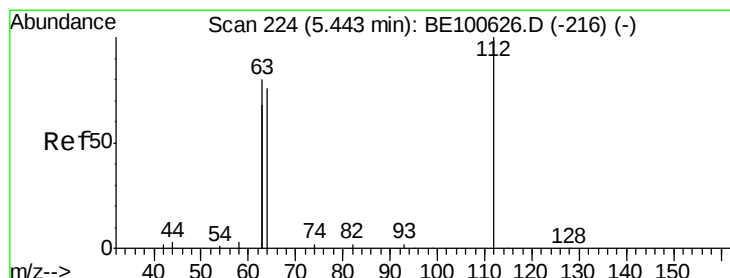
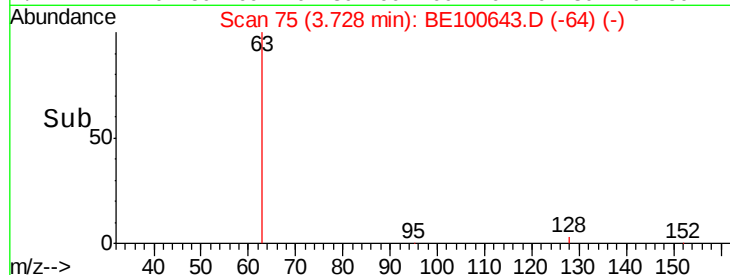
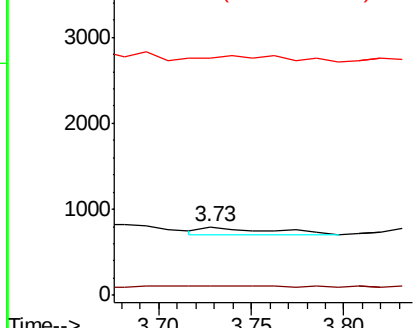
n-Nitrosodimethylamine
 Concen: 0.022 ng
 RT: 3.73 min Scan# 75
 Delta R.T. 0.02 min
 Lab File: BE100643.D
 Acq: 15 Oct 2019 10:27

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion: 42 Resp: 201
 Ion Ratio Lower Upper
 42 100
 74 0.0 91.7 137.5#
 44 102.0 8.2 12.2#



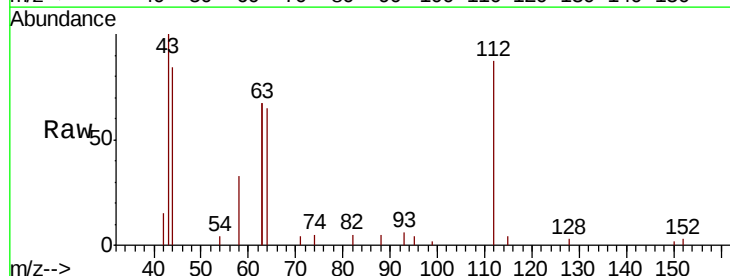
Abundance Ion 42.00 (41.70 to 42.70): BE1
 Ion 74.00 (73.70 to 74.70): BE1
 Ion 44.00 (43.70 to 44.70): BE1



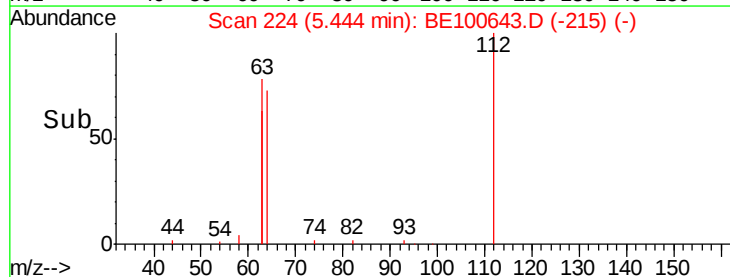
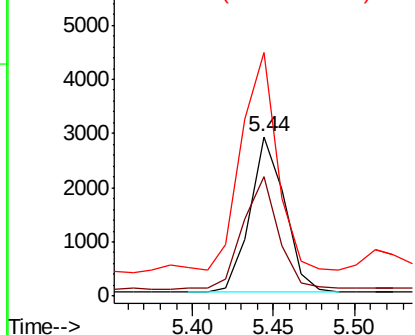
#4

2-Fluorophenol
 Concen: 0.285 ng
 RT: 5.44 min Scan# 224
 Delta R.T. 0.00 min
 Lab File: BE100643.D
 Acq: 15 Oct 2019 10:27

Tgt Ion: 112 Resp: 4297
 Ion Ratio Lower Upper
 112 100
 64 73.6 58.9 88.3
 63 151.3 118.3 177.5



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: 0.311 ng

RT: 7.01 min Scan# 360

Delta R.T. 0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

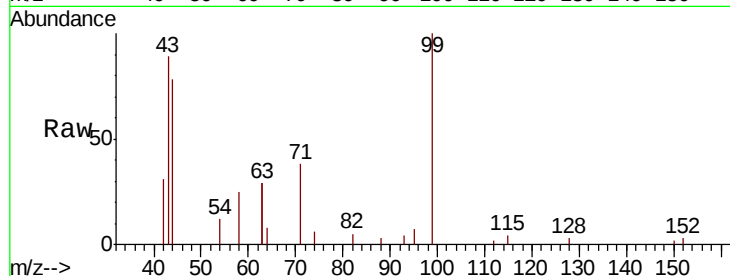
Instrument :

BNA_E

ClientSampled :

Tot Ion: 99 Resp: 6622

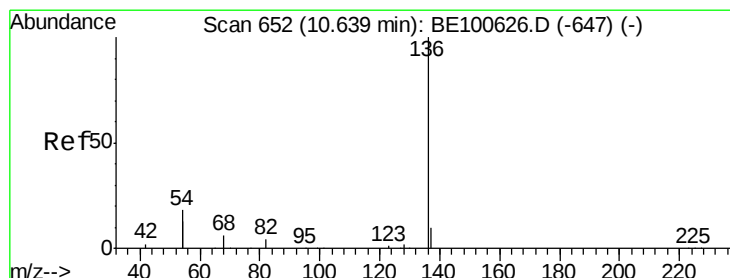
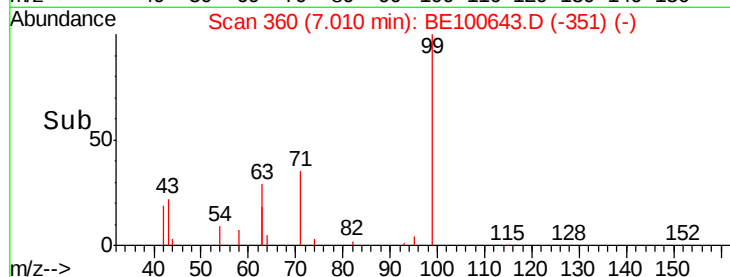
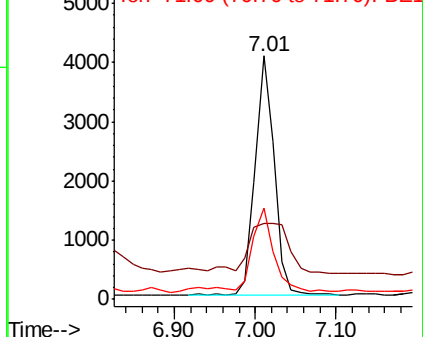
Ion	Ratio	Lower	Upper
99	100		
42	45.1	19.4	29.2#
71	37.0	26.9	40.3



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: 10.64 min Scan# 652

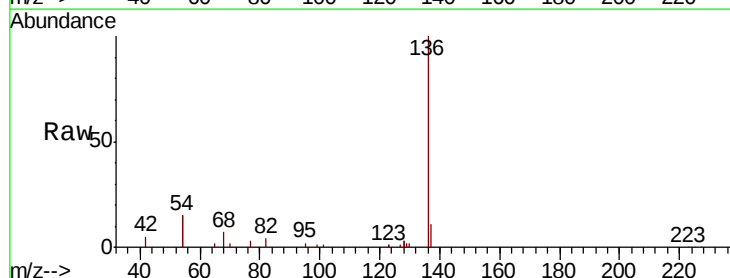
Delta R.T. 0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Tgt Ion: 136 Resp: 21872

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.6	13.0
54	30.8	28.7	43.1
68	6.6	5.9	8.9

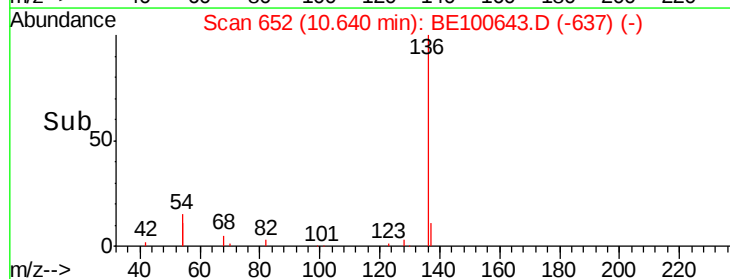
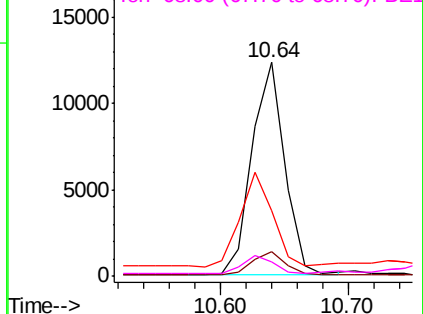


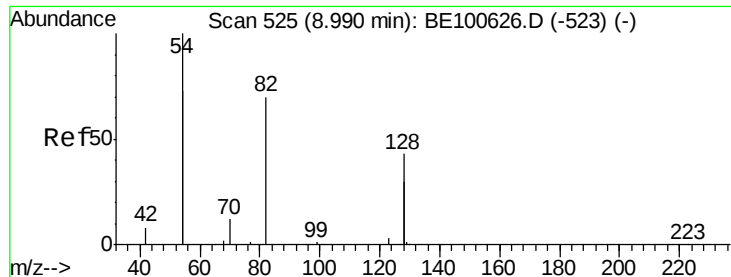
Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.340 ng

RT: 8.99 min Scan# 525

Delta R.T. 0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

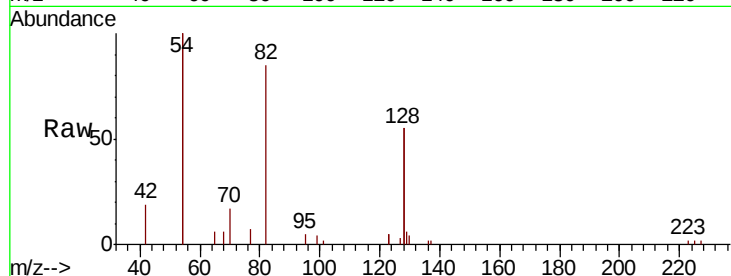
Tot Ion: 82 Resp: 4608

Ion Ratio Lower Upper

82 100

128 130.4 90.7 136.1

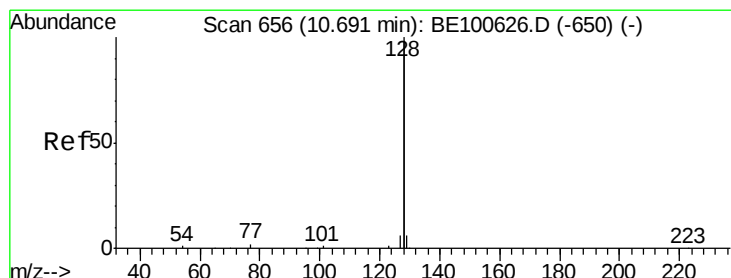
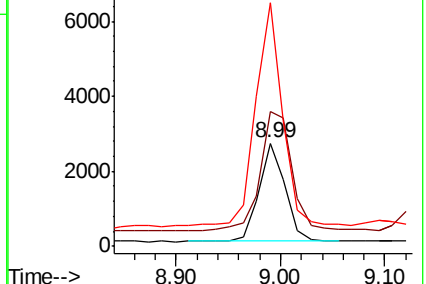
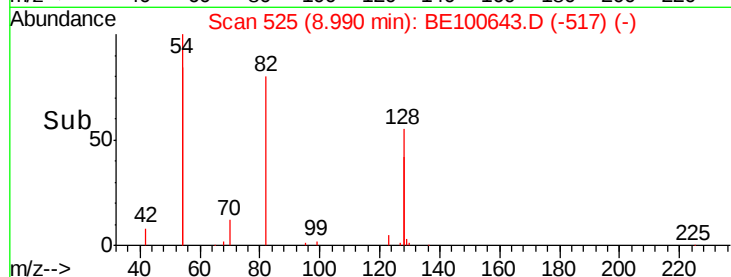
54 236.1 210.9 316.3



Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): BE1

Ion 54.00 (53.70 to 54.70): BE1



#9

Naphthalene

Concen: 0.866 ng

RT: 10.68 min Scan# 655

Delta R.T. -0.01 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

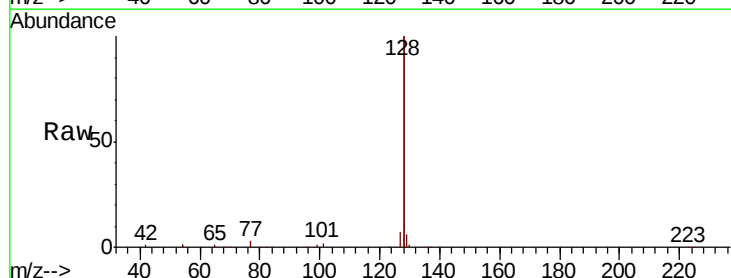
Tgt Ion: 128 Resp: 199220

Ion Ratio Lower Upper

128 100

129 2.9 2.4 3.6

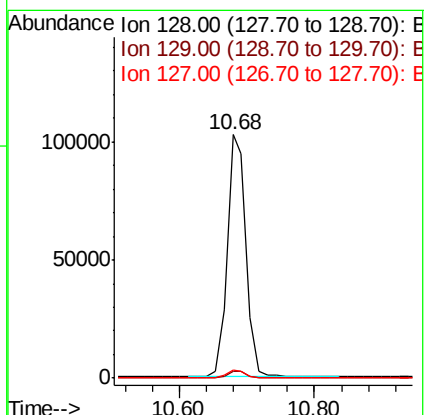
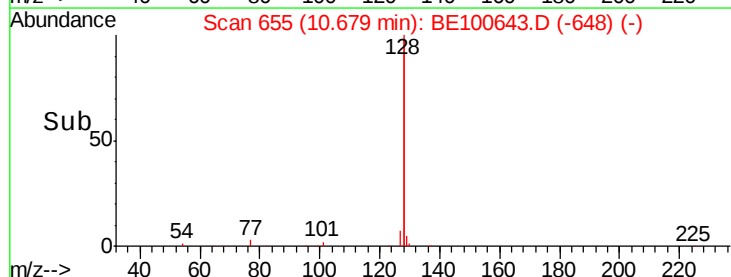
127 3.4 2.6 3.8

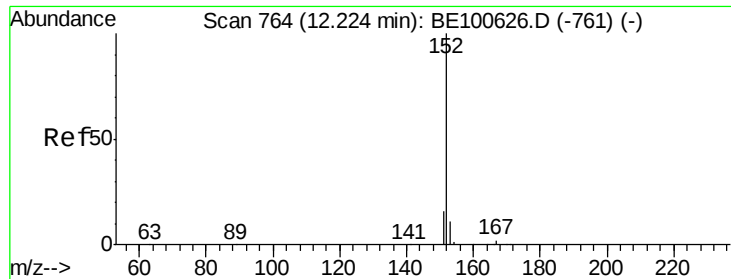


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

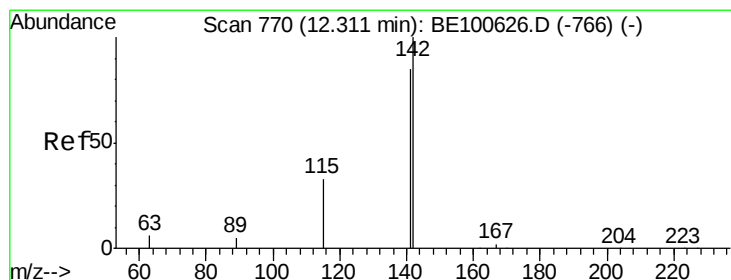
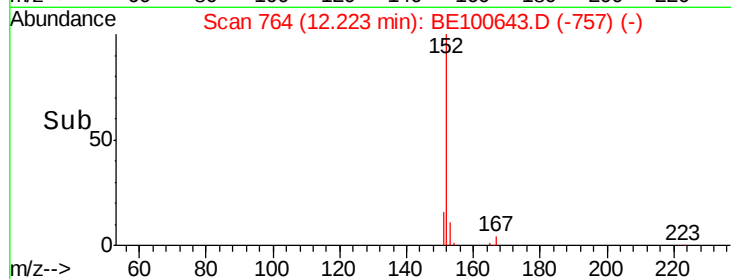
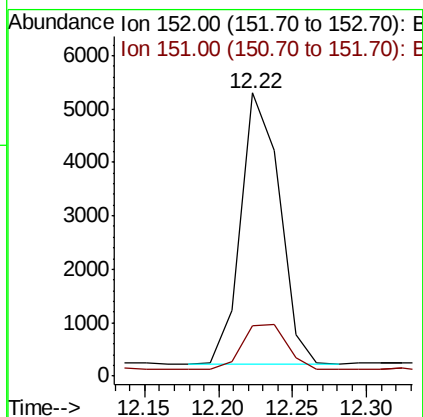
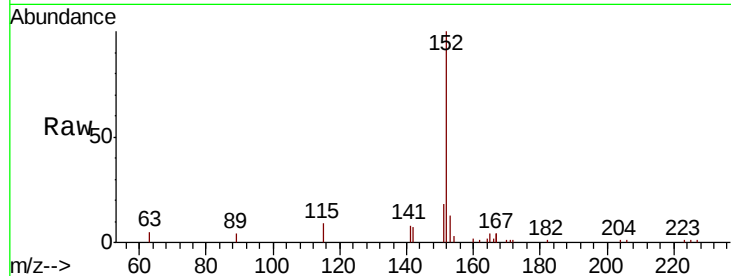




#11
 2-Methylnaphthalene-d10
 Concen: 0.268 ng
 RT: 12.22 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: BE100643.D
 Acq: 15 Oct 2019 10:27

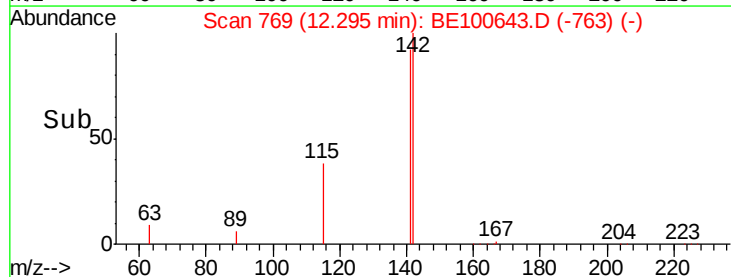
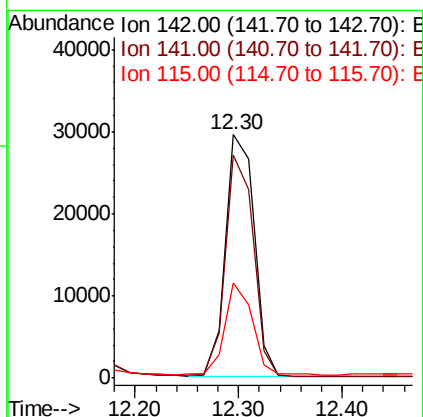
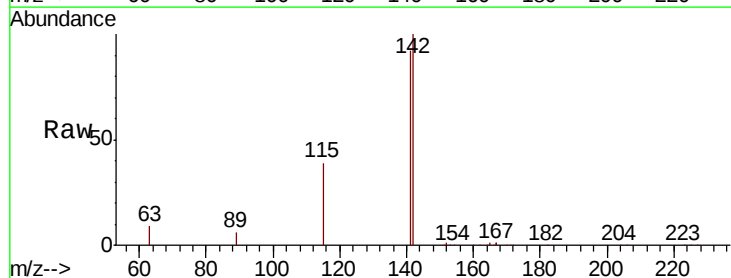
Instrument :
 BNA_E
 ClientSampleId :

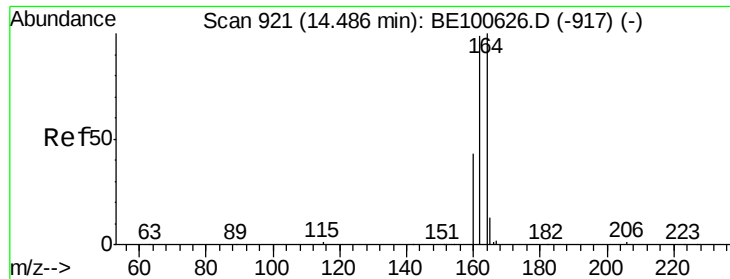
Tot Ion:152 Resp: 9230
 Ion Ratio Lower Upper
 152 100
 151 19.8 15.2 22.8



#12
 2-Methylnaphthalene
 Concen: 1.455 ng
 RT: 12.30 min Scan# 769
 Delta R.T. -0.02 min
 Lab File: BE100643.D
 Acq: 15 Oct 2019 10:27

Tgt Ion:142 Resp: 57032
 Ion Ratio Lower Upper
 142 100
 141 91.9 68.3 102.5
 115 38.9 27.5 41.3

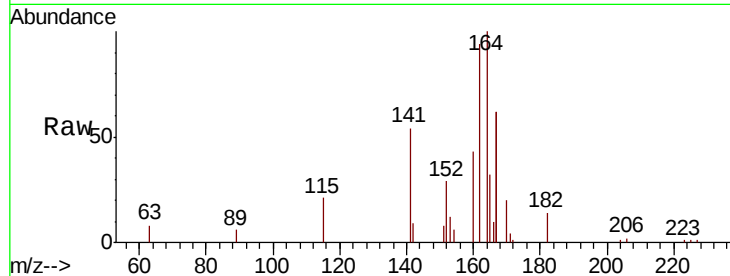




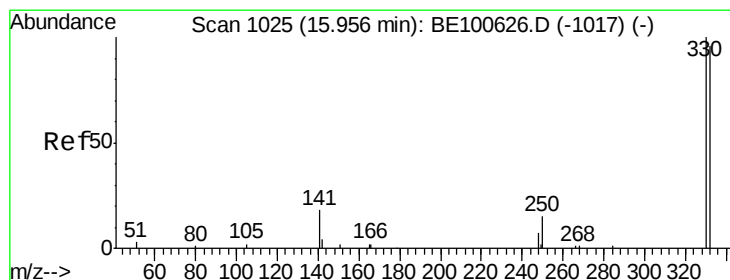
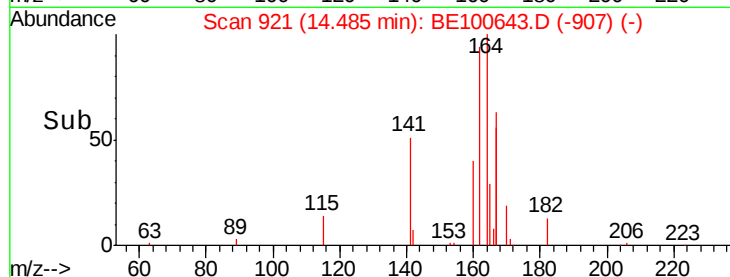
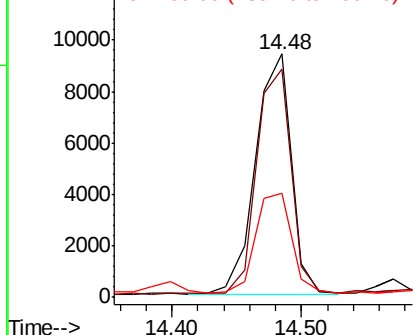
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:164 Resp: 17841
Ion Ratio Lower Upper
164 100
162 93.5 79.1 118.7
160 42.7 34.7 52.1

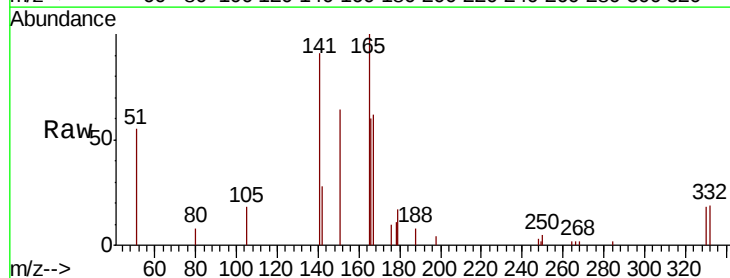


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

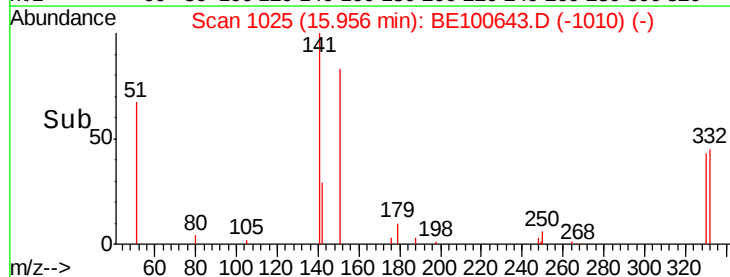
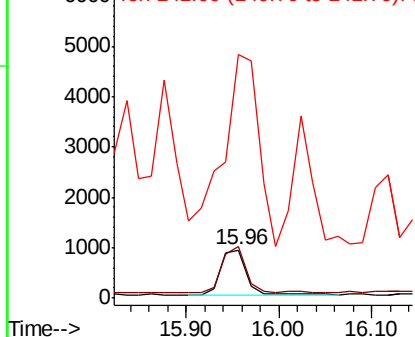


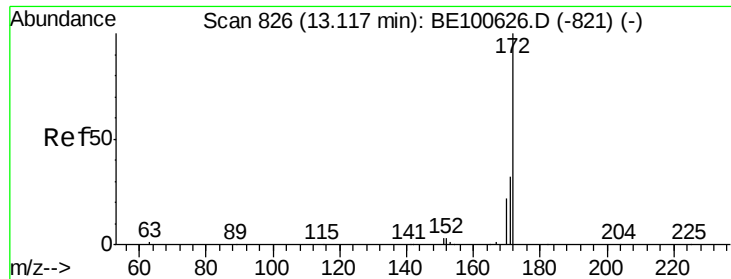
#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

Tgt Ion:330 Resp: 1648
Ion Ratio Lower Upper
330 100
332 103.8 75.2 112.8
141 615.6 37.5 56.3#



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

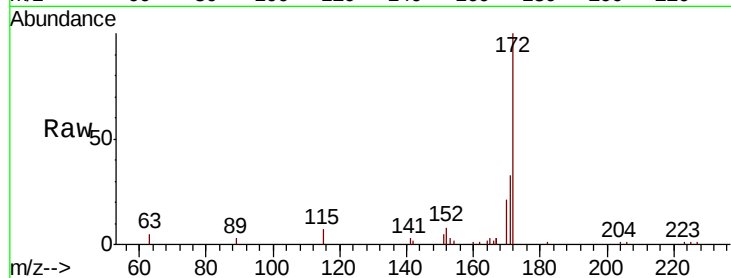




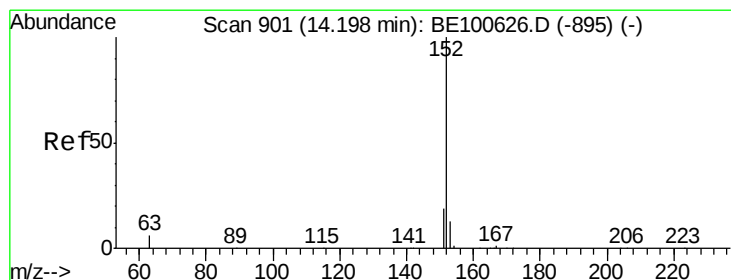
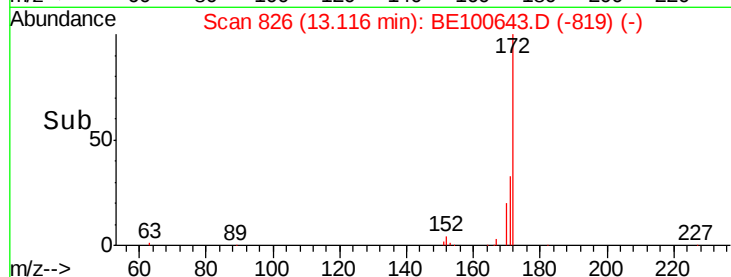
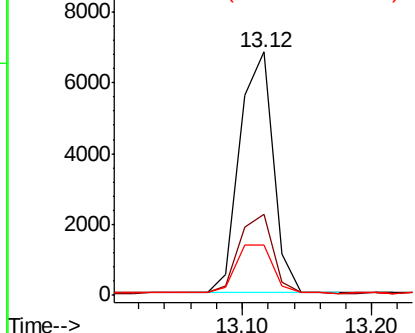
#15
2-Fluorobiphenyl
Concen: 0.186 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:172 Resp: 12098
Ion Ratio Lower Upper
172 100
171 33.3 26.2 39.4
170 20.9 17.5 26.3

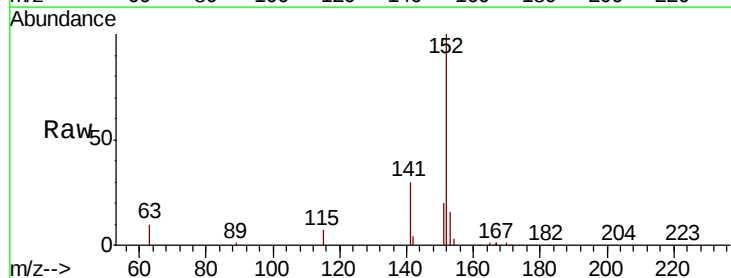


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

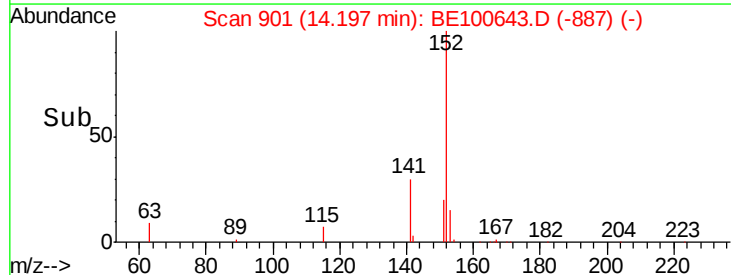
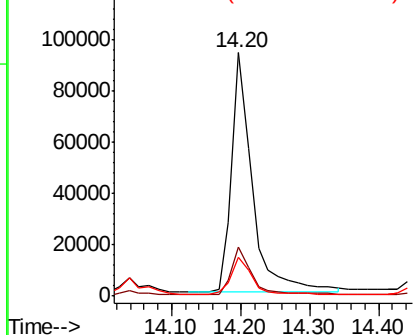


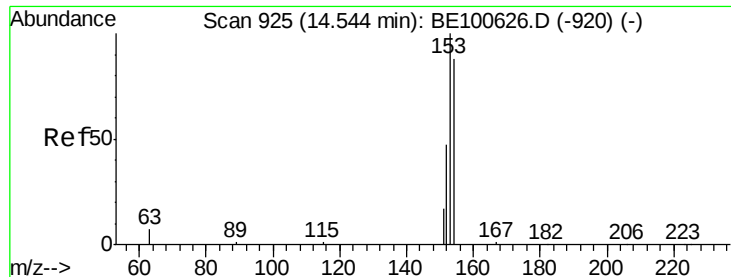
#16
Acenaphthylene
Concen: 2.551 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

Tgt Ion:152 Resp: 195813
Ion Ratio Lower Upper
152 100
151 20.1 15.6 23.4
153 15.9 10.5 15.7#



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

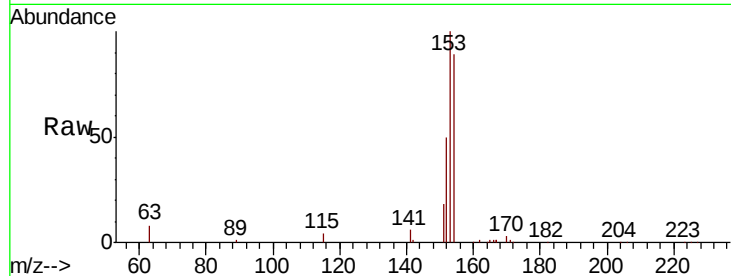




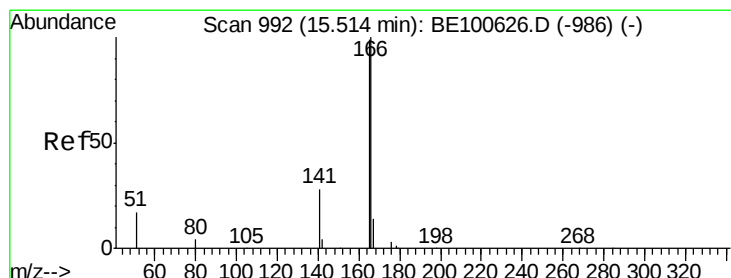
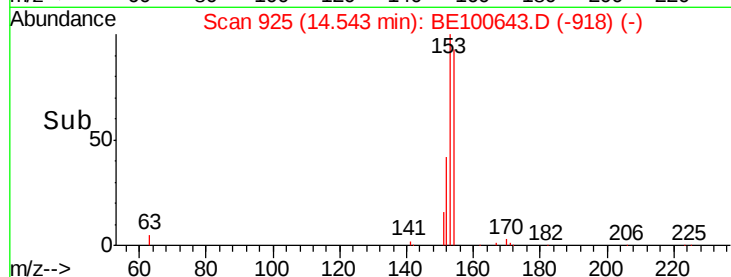
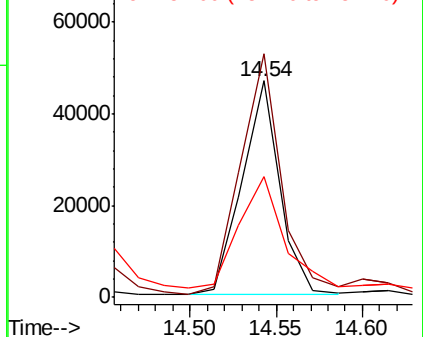
#17
Acenaphthene
Concen: 1.441 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

Instrument :
BNA_E
ClientSampleId :

Tot Ion:154 Resp: 71470
Ion Ratio Lower Upper
154 100
153 127.1 91.4 137.2
152 62.9 44.0 66.0

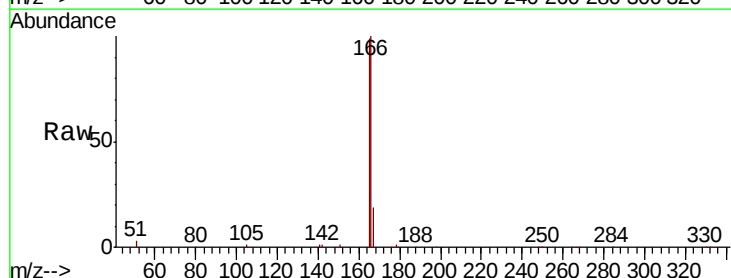


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

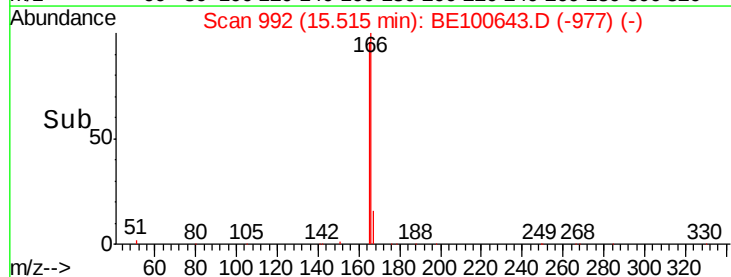
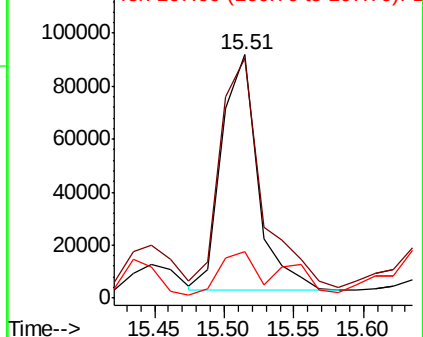


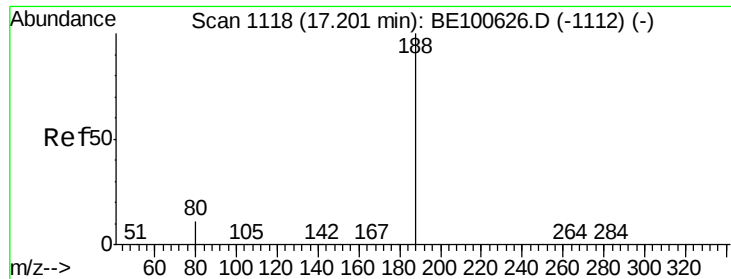
#18
Fluorene
Concen: 2.453 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

Tgt Ion:166 Resp: 161653
Ion Ratio Lower Upper
166 100
165 109.6 78.9 118.3
167 30.2 10.9 16.3#



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: 17.20 min Scan# 1118

Delta R.T. 0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

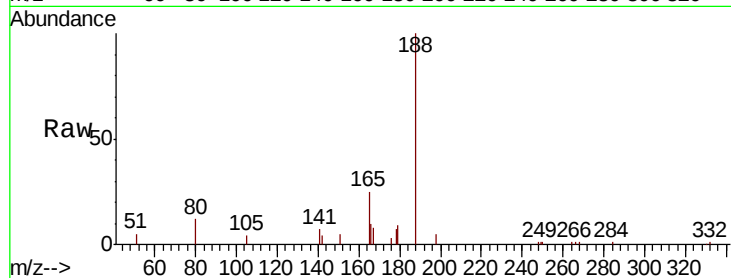
Tot Ion:188 Resp: 43768

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

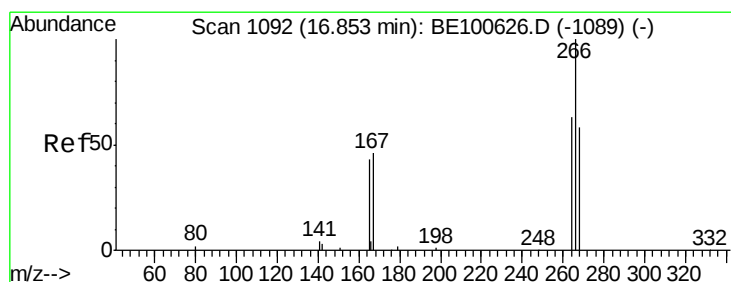
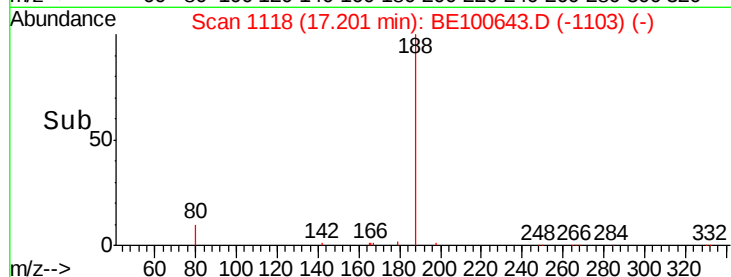
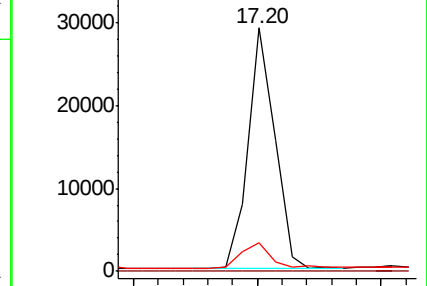
80 11.6 9.4 14.2



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



#22

Pentachlorophenol

Concen: 0.030 ng

RT: 16.85 min Scan# 1092

Delta R.T. 0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

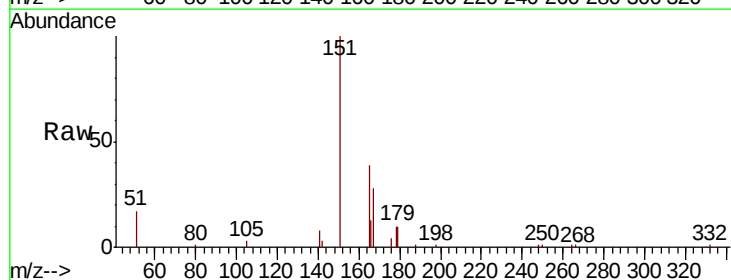
Tgt Ion:266 Resp: 205

Ion Ratio Lower Upper

266 100

264 140.5 50.7 76.1#

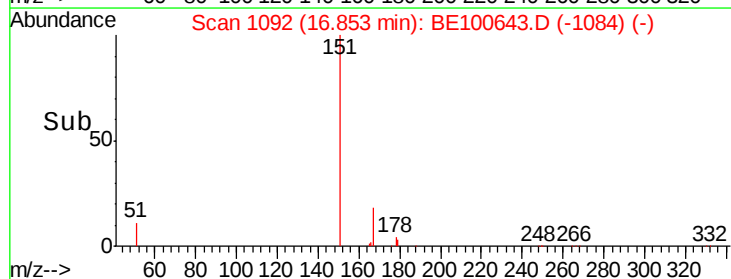
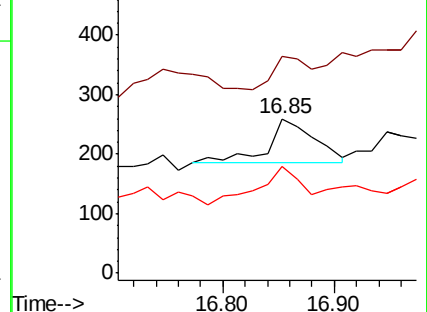
268 69.5 48.5 72.7

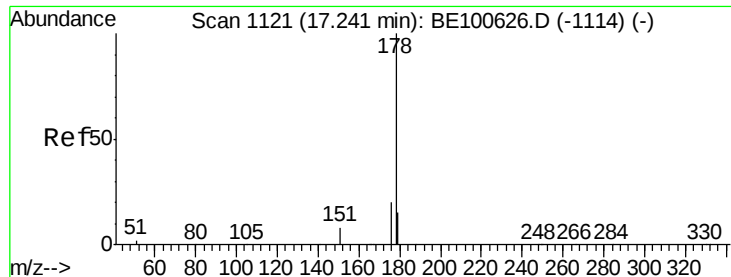


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

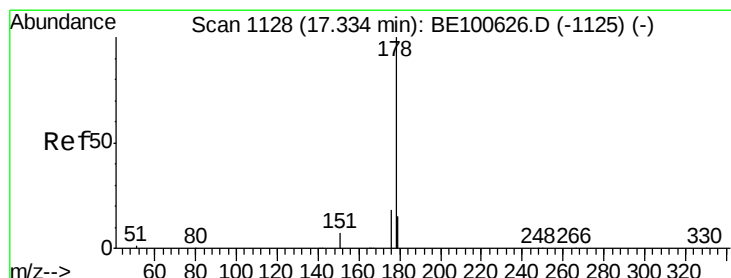
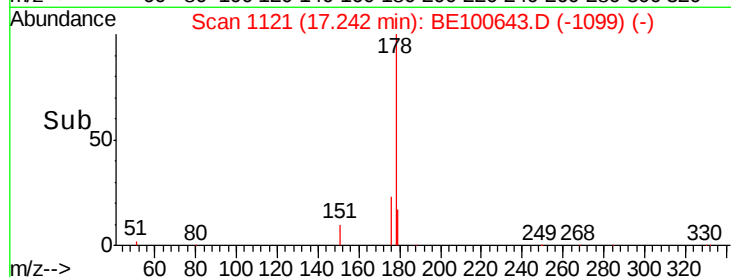
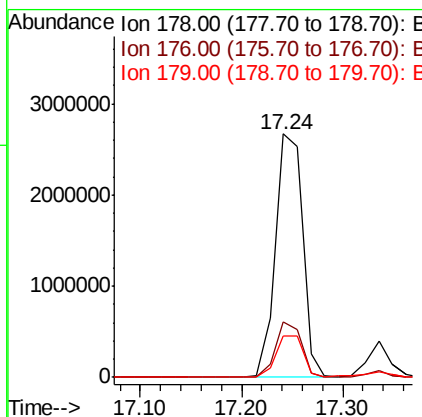
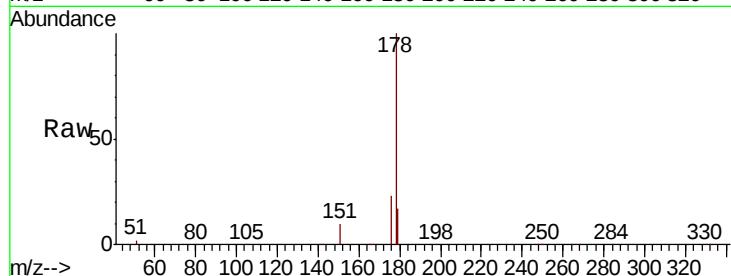




#23
Phenanthrene
Concen: 41.087 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

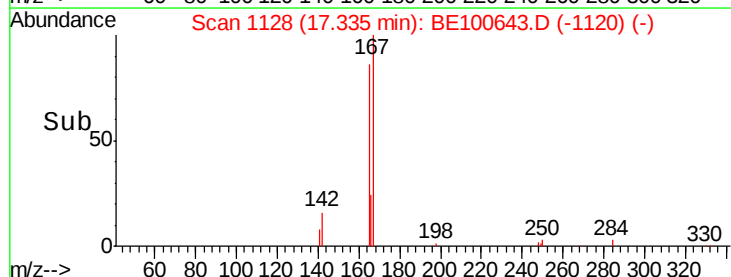
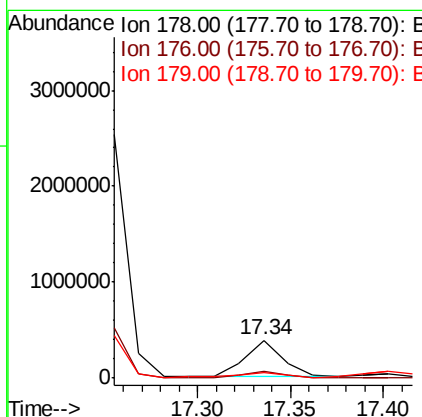
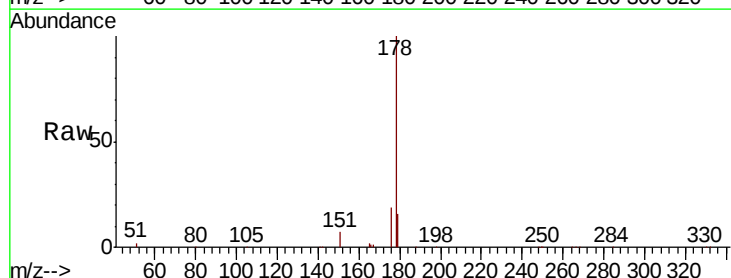
Instrument :
BNA_E
ClientSampleId :

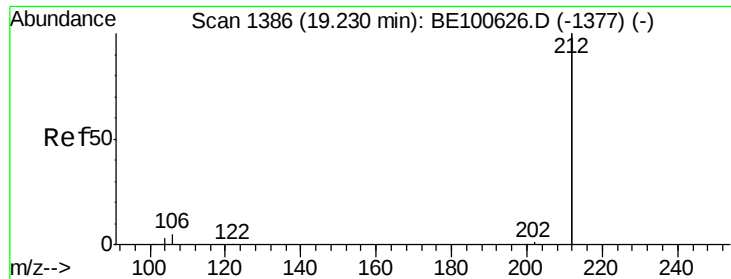
Tot Ion:178 Resp: 4946336
Ion Ratio Lower Upper
178 100
176 21.5 15.6 23.4
179 17.3 12.4 18.6



#24
Anthracene
Concen: 4.986 ng
RT: 17.34 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BE100643.D
Acq: 15 Oct 2019 10:27

Tgt Ion:178 Resp: 556986
Ion Ratio Lower Upper
178 100
176 18.7 14.5 21.7
179 15.5 12.4 18.6

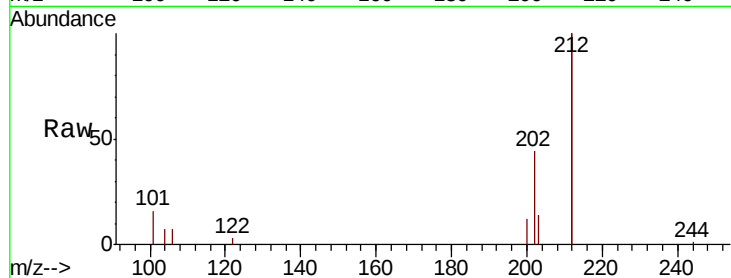




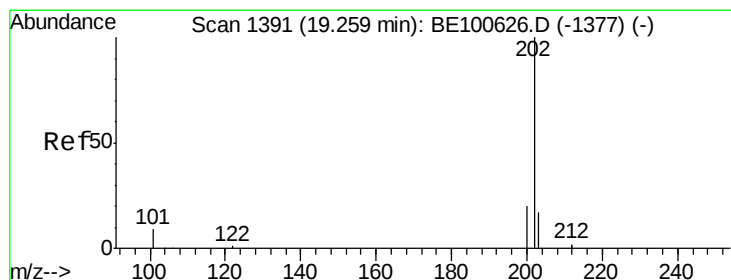
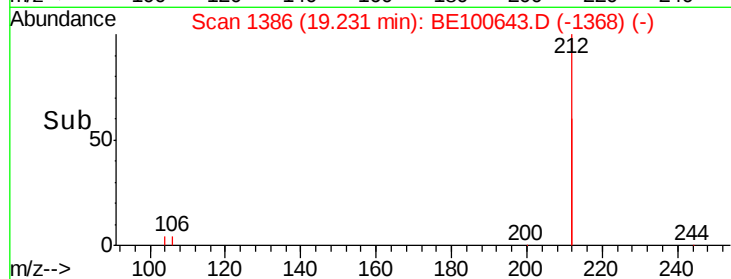
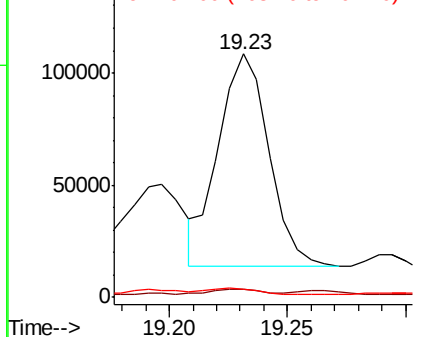
#25
 Fluoranthene-d10
 Concen: 0.248 ng
 RT: 19.23 min Scan# 1386
 Delta R.T. 0.00 min
 Lab File: BE100643.D
 Acq: 15 Oct 2019 10:27

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.2	3.4
104	3.1	1.3	1.9

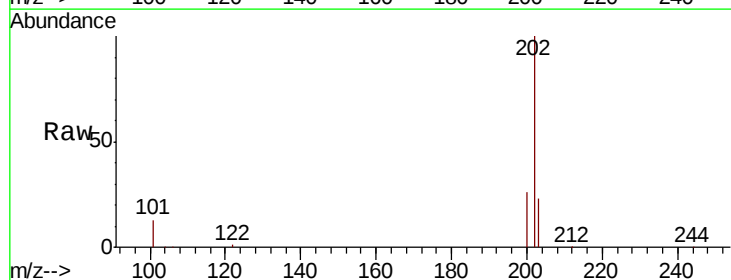


Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E

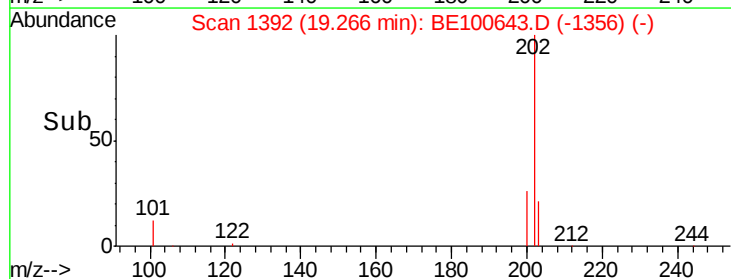
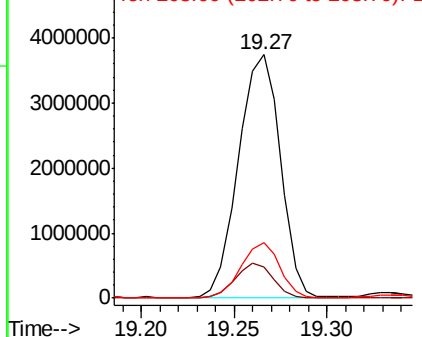


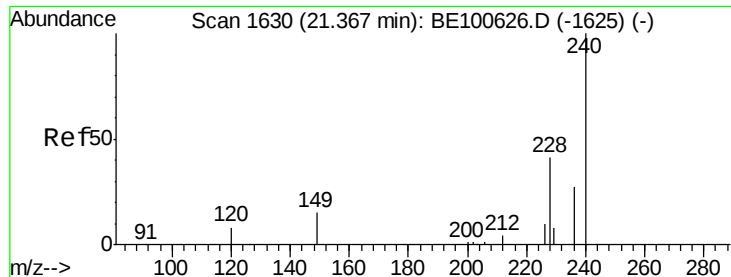
#26
 Fluoranthene
 Concen: 37.285 ng
 RT: 19.27 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: BE100643.D
 Acq: 15 Oct 2019 10:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.8	8.4	12.6
203	20.9	13.8	20.6



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: 21.38 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

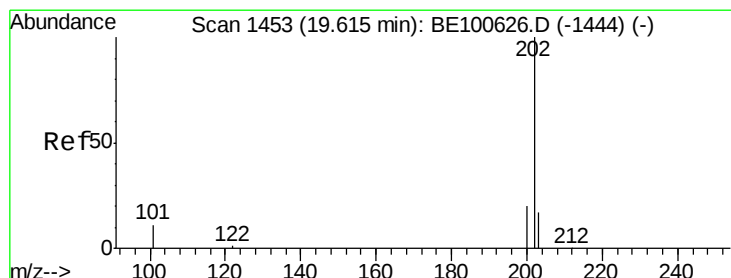
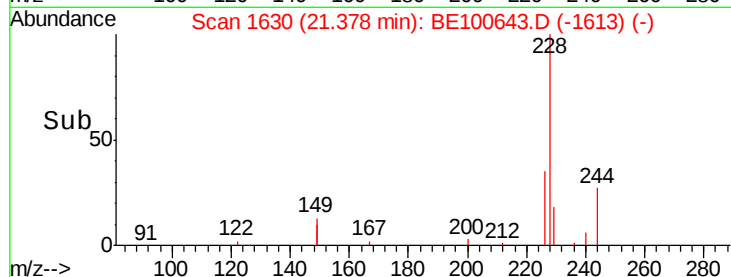
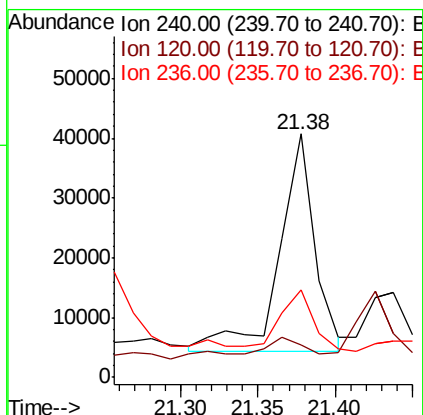
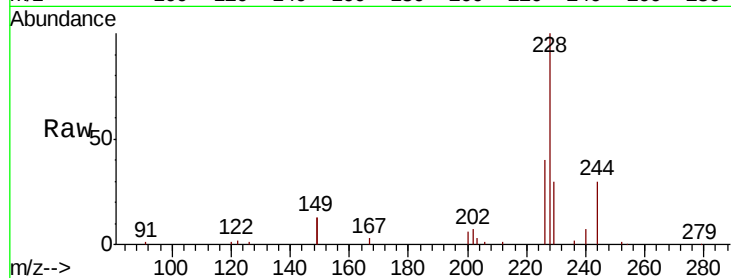
Tot Ion:240 Resp: 58255

Ion Ratio Lower Upper

240 100

120 13.1 7.4 11.0#

236 35.8 21.7 32.5#



#28

Pyrene

Concen: 48.319 ng

RT: 19.63 min Scan# 1455

Delta R.T. 0.01 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

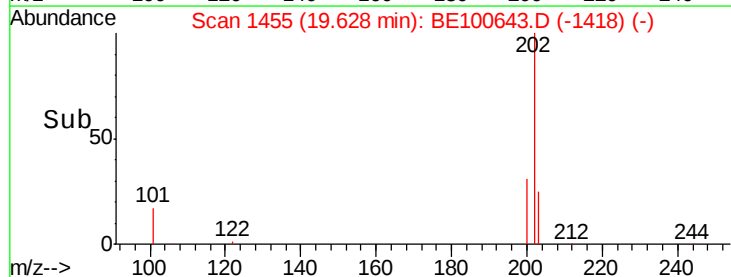
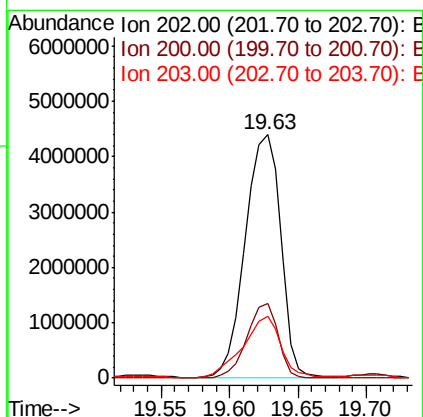
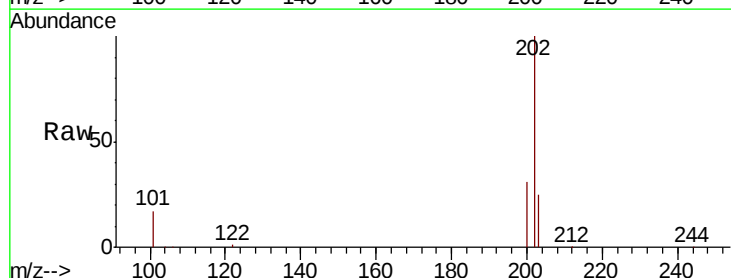
Tgt Ion:202 Resp: 7864283

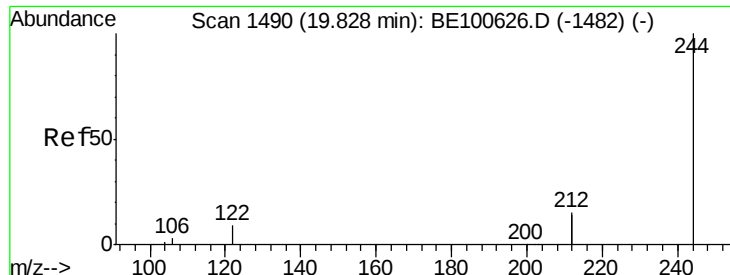
Ion Ratio Lower Upper

202 100

200 26.9 16.6 24.8#

203 27.0 13.9 20.9#





#29

Terphenyl-d14

Concen: 0.258 ng

RT: 19.83 min Scan# 1490

Delta R.T. 0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

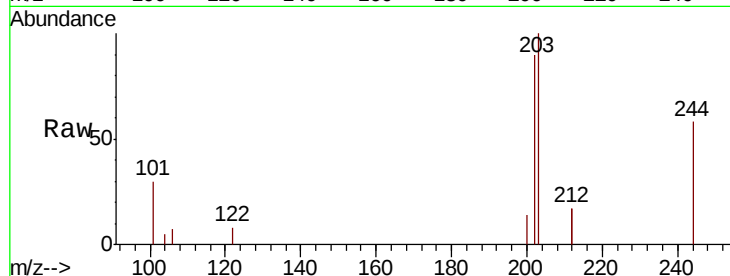
Tot Ion:244 Resp: 32804

Ion Ratio Lower Upper

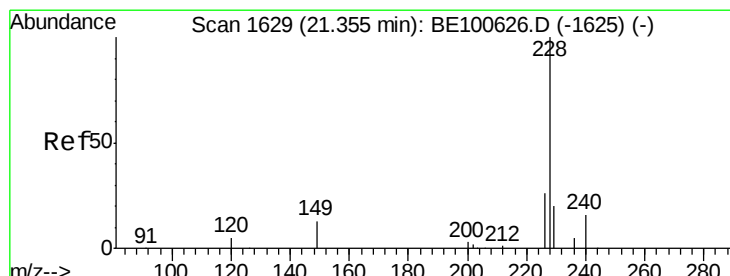
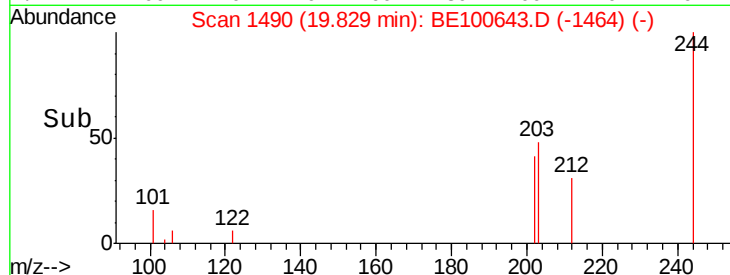
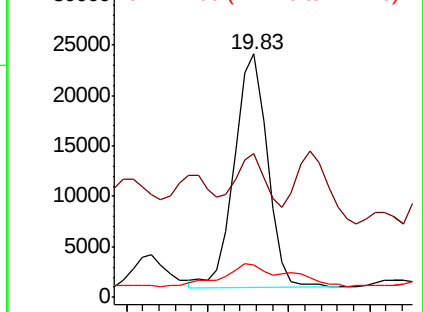
244 100

212 59.2 23.9 35.9#

122 13.4 7.7 11.5#



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: 22.419 ng

RT: 21.35 min Scan# 1628

Delta R.T. -0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

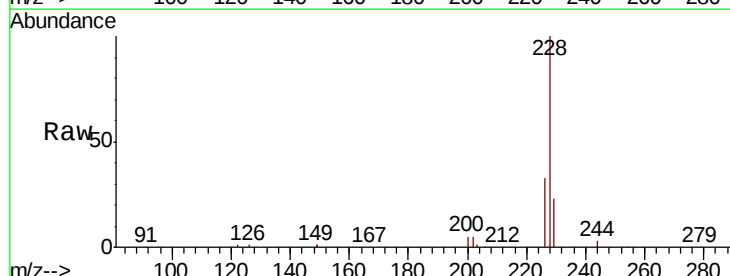
Tgt Ion:228 Resp: 4260321

Ion Ratio Lower Upper

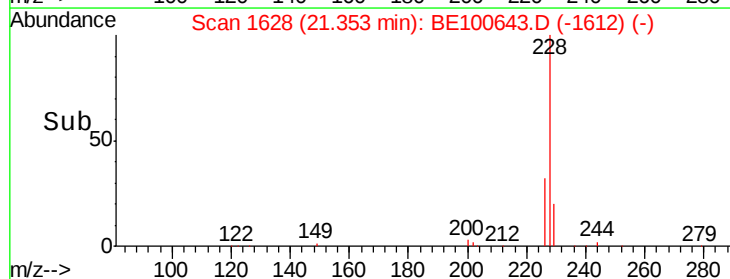
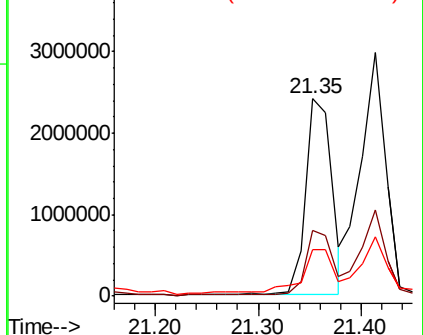
228 100

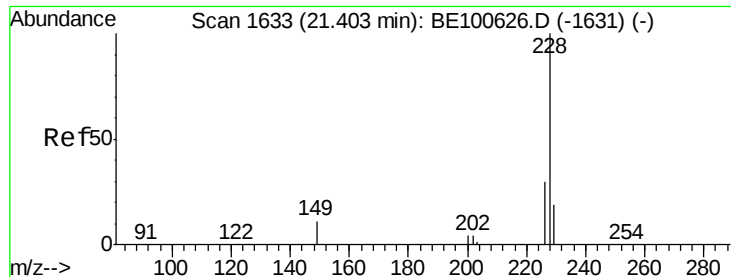
226 33.2 21.0 31.6#

229 23.3 15.8 23.8



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: 14.623 ng

RT: 21.35 min Scan# 1628

Delta R.T. -0.05 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

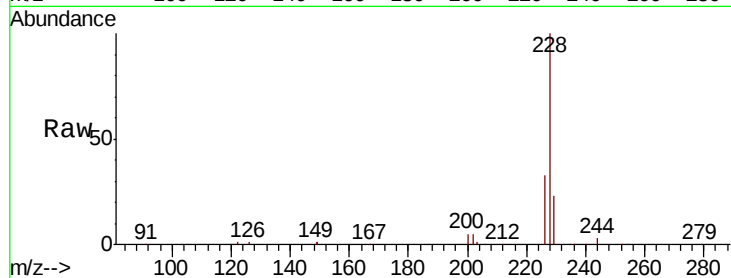
Tot Ion:228 Resp: 2777025

Ion Ratio Lower Upper

228 100

226 33.2 24.5 36.7

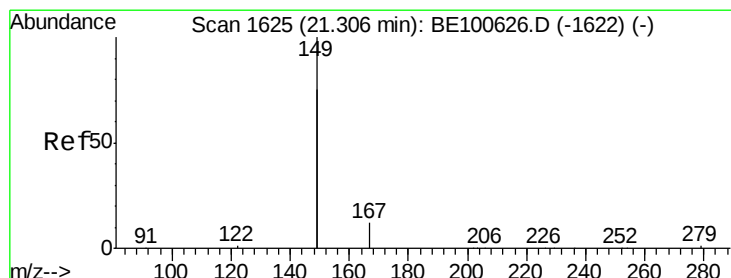
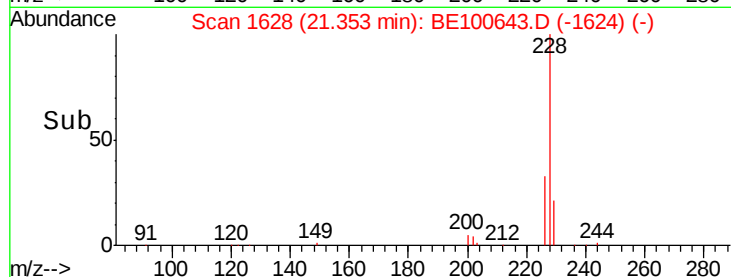
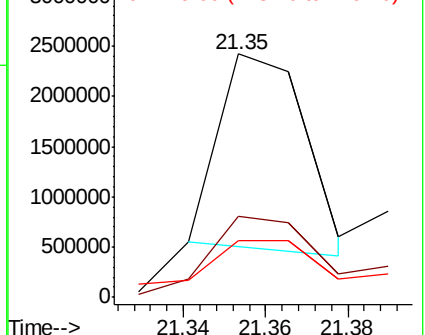
229 23.3 15.6 23.4



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: 0.440 ng

RT: 21.31 min Scan# 1624

Delta R.T. -0.00 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

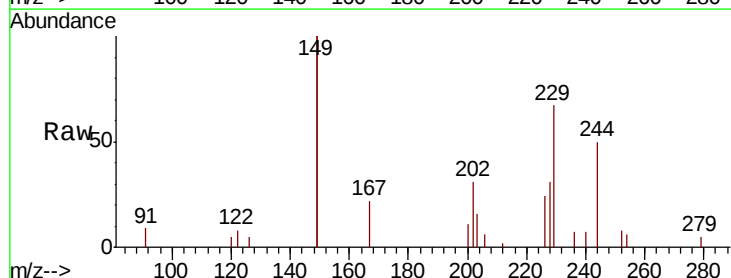
Tgt Ion:149 Resp: 175004

Ion Ratio Lower Upper

149 100

167 12.7 5.4 8.2#

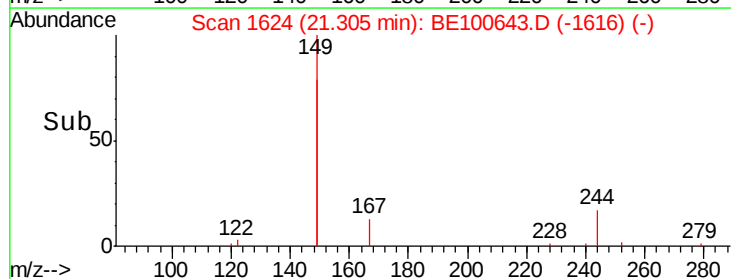
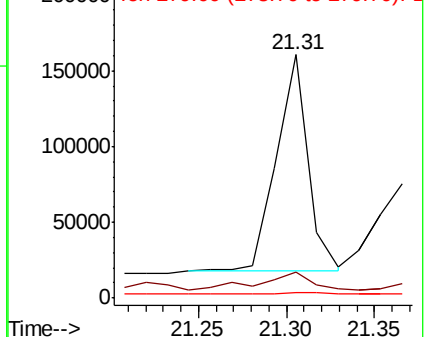
279 1.3 1.5 2.3#

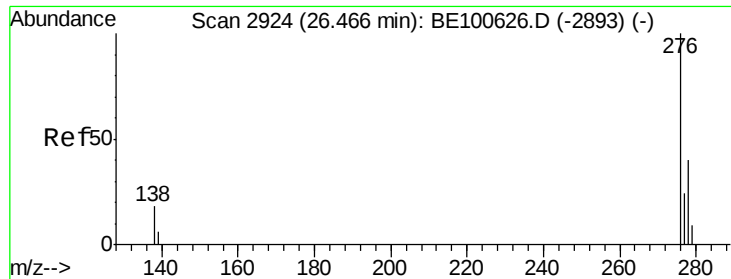


Abundance Ion 149.00 (148.70 to 149.70): E

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: 9.109 ng

RT: 26.49 min Scan# 2929

Delta R.T. 0.02 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

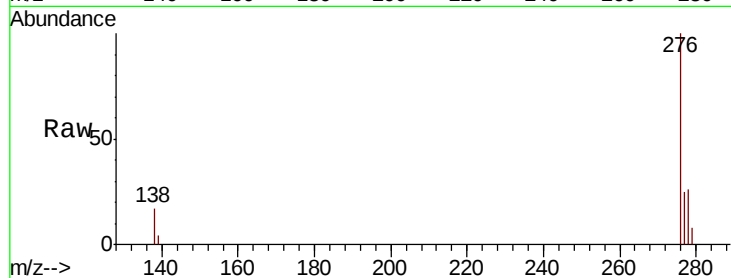
Tot Ion:276 Resp: 2126176

Ion Ratio Lower Upper

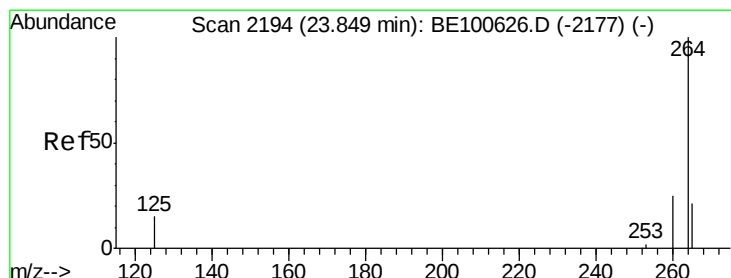
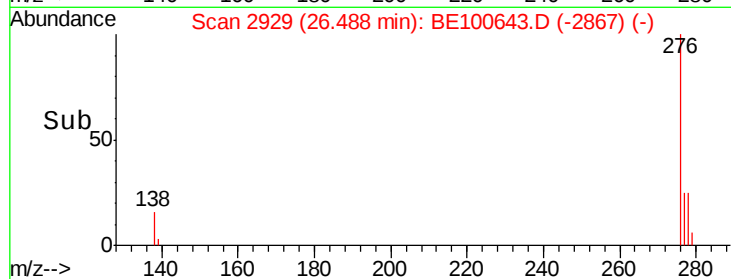
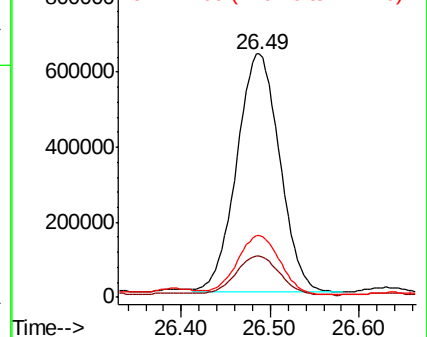
276 100

138 16.9 16.0 24.0

277 25.4 19.7 29.5



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: 23.86 min Scan# 2196

Delta R.T. 0.01 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

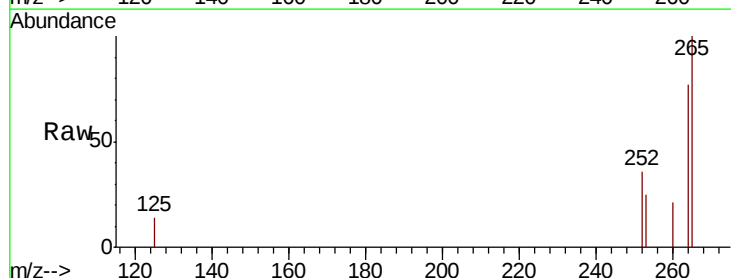
Tgt Ion:264 Resp: 68645

Ion Ratio Lower Upper

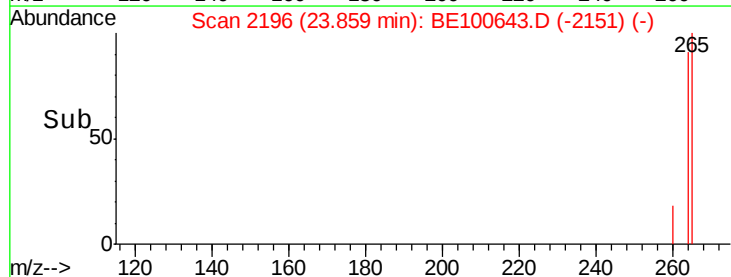
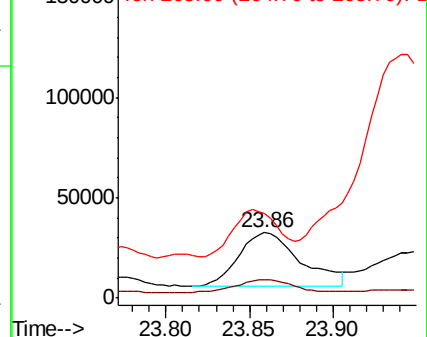
264 100

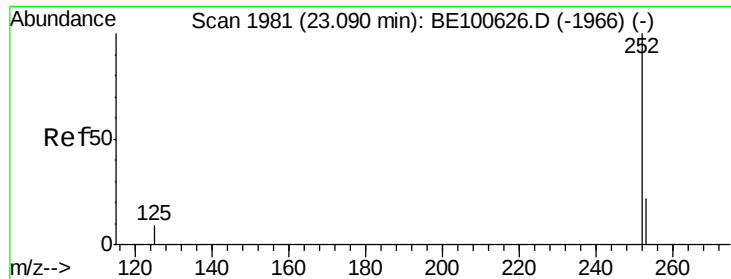
260 27.5 19.9 29.9

265 130.0 20.0 30.0#



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: 21.068 ng

RT: 23.11 min Scan# 1986

Delta R.T. 0.02 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

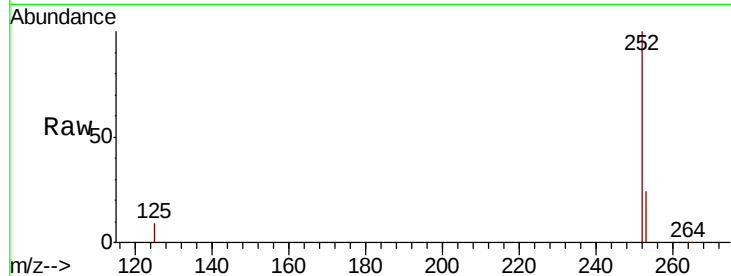
Tot Ion:252 Resp: 4216987

Ion Ratio Lower Upper

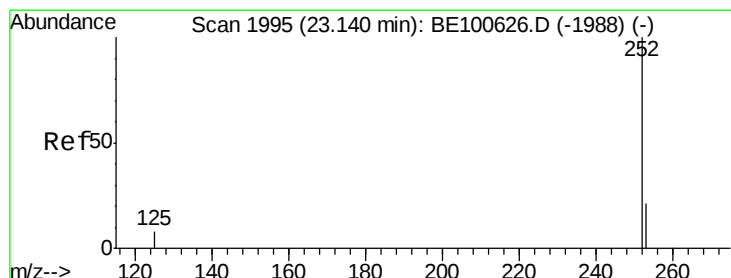
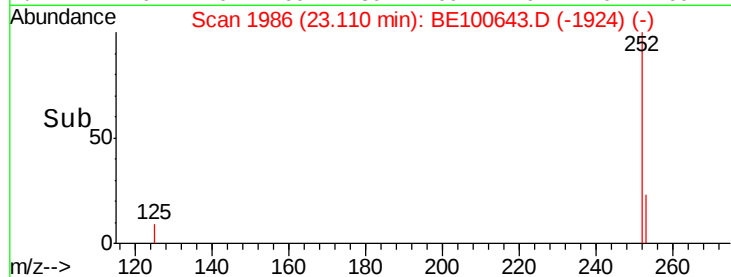
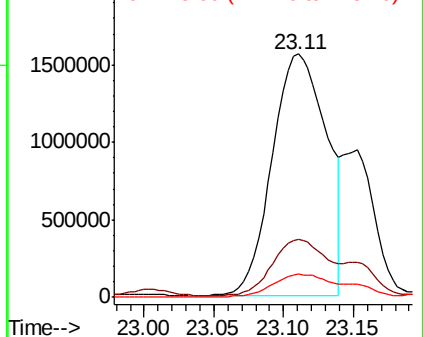
252 100

253 23.8 17.8 26.8

125 9.5 7.6 11.4



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



#36

Benzo(k)fluoranthene

Concen: 20.485 ng

RT: 23.11 min Scan# 1986

Delta R.T. -0.03 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

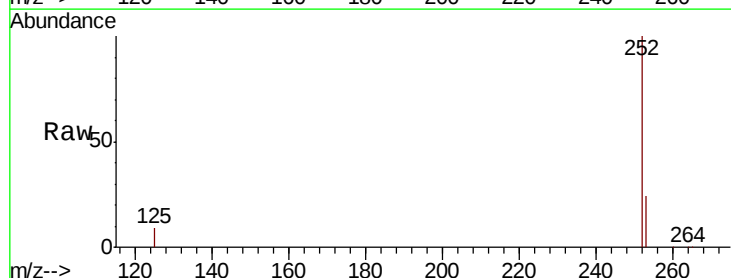
Tgt Ion:252 Resp: 4216987

Ion Ratio Lower Upper

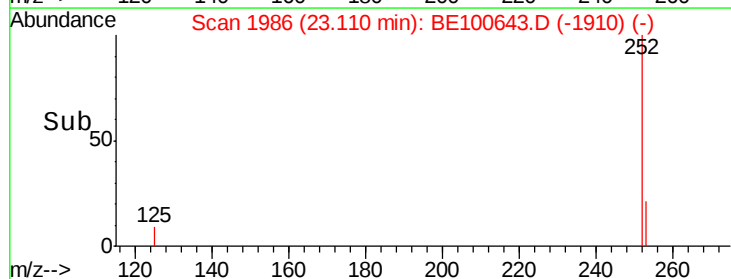
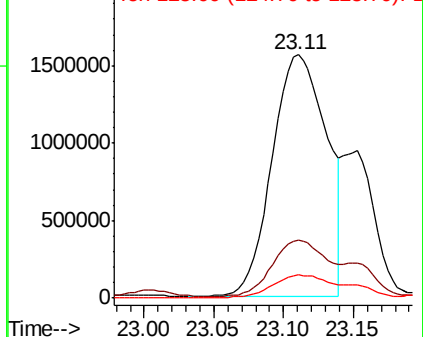
252 100

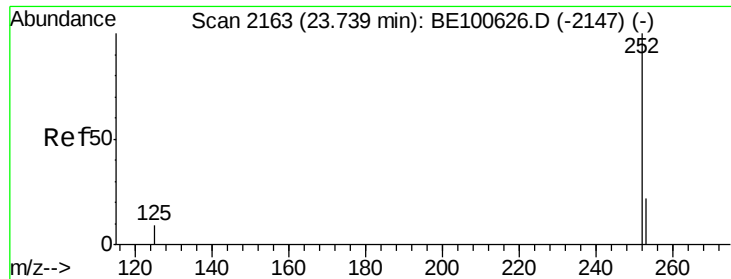
253 23.8 17.8 26.6

125 9.5 7.6 11.4



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: 18.943 ng

RT: 23.76 min Scan# 2167

Delta R.T. 0.02 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

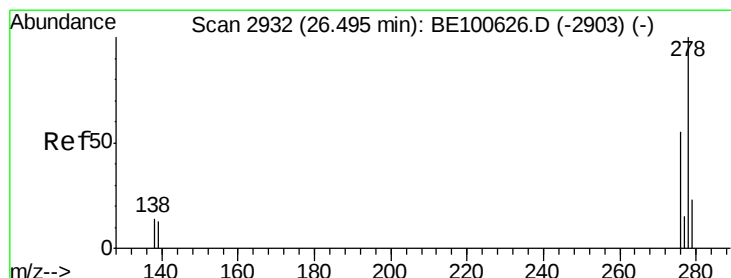
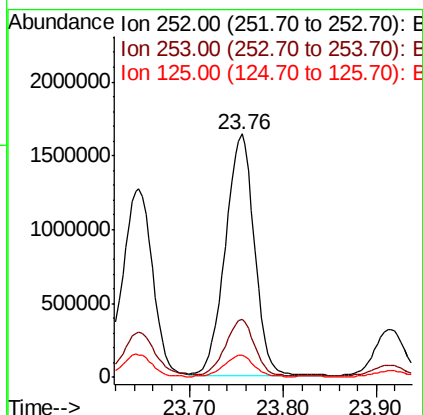
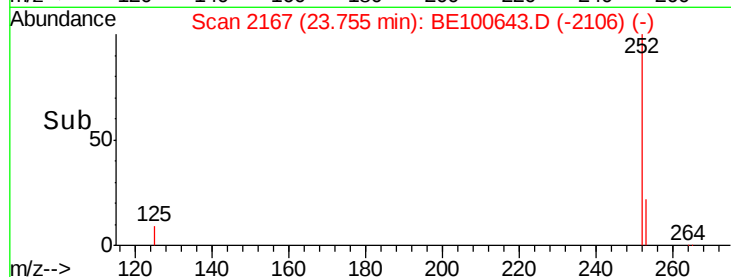
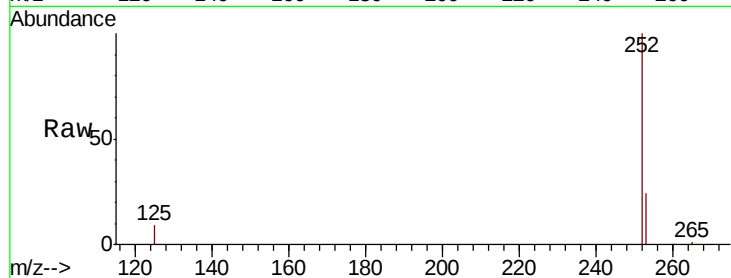
Tot Ion:252 Resp: 3529498

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 9.3 8.1 12.1



#38

Dibenzo(a,h)anthracene

Concen: 3.446 ng

RT: 26.50 min Scan# 2933

Delta R.T. 0.01 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

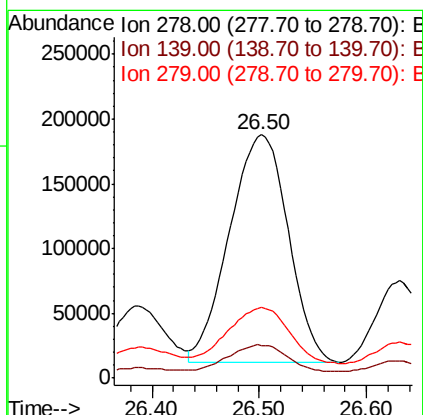
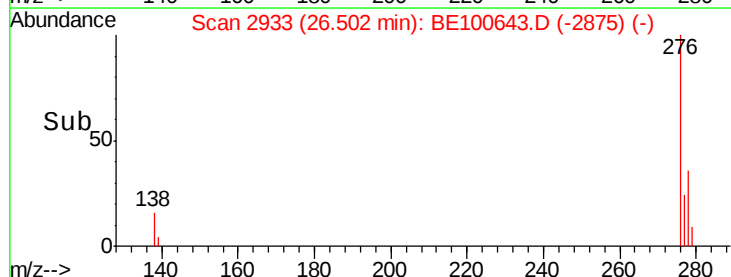
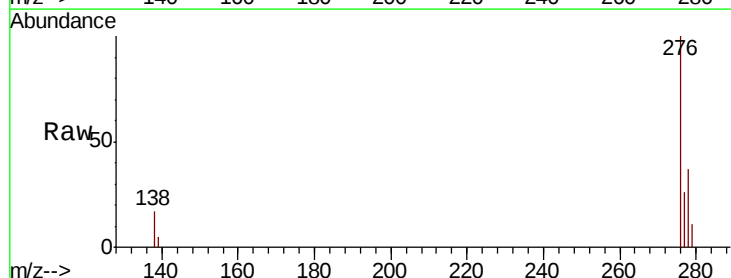
Tgt Ion:278 Resp: 663675

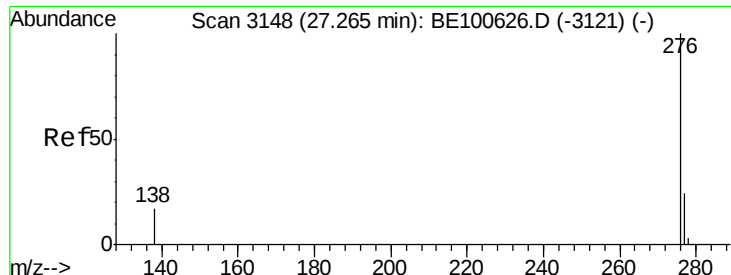
Ion Ratio Lower Upper

278 100

139 13.5 11.2 16.8

279 28.9 19.0 28.6#





#39

Benzo(a,h,i)perylene

Concen: 12.726 ng

RT: 27.30 min Scan# 3157

Delta R.T. 0.04 min

Lab File: BE100643.D

Acq: 15 Oct 2019 10:27

Instrument :

BNA_E

ClientSampleId :

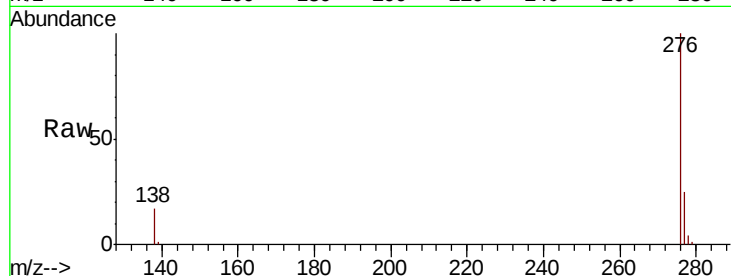
Tot Ion:276 Resp: 2464787

Ion Ratio Lower Upper

276 100

277 24.6 19.3 28.9

138 17.2 14.5 21.7



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

