

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
 Data File : BE100553.D
 Acq On : 25 Sep 2019 12:03
 Operator : JU
 Sample : K4995-07
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Sep 26 00:40:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 20 18:26:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	7450	0.40	ng	0.00
7) Naphthalene-d8	10.65	136	31666	0.40	ng	0.00
13) Acenaphthene-d10	14.49	164	16663	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	37436	0.40	ng	0.00
27) Chrysene-d12	21.37	240	49555	0.40	ng	0.00
34) Perylene-d12	23.83	264	56808	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	4293	0.25	ng	0.00
5) Phenol-d6	7.01	99	5998	0.25	ng	-0.01
8) Nitrobenzene-d5	9.00	82	4331	0.24	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	11871	0.25	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	347	0.13	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	14801	0.25	ng	0.00
25) Fluoranthene-d10	19.23	212	122085	0.27	ng	0.00
29) Terphenyl-d14	19.82	244	29971	0.26	ng	0.00

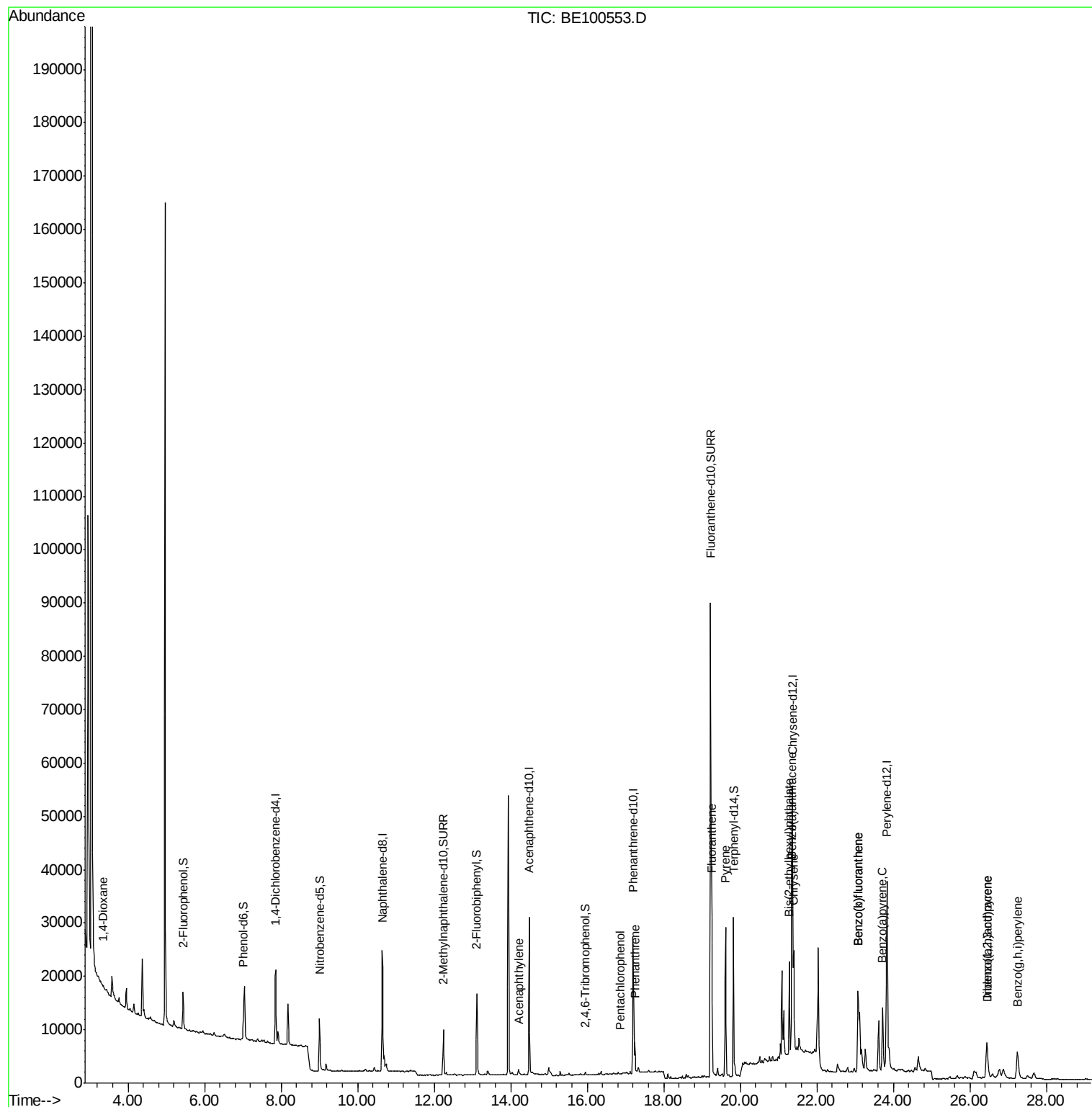
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.34	88	219	0.020	ng	# 26
16) Acenaphthylene	14.21	152	1675	0.024	ng	98
22) Pentachlorophenol	16.87	266	22	0.178	ng	# 75
23) Phenanthrene	17.24	178	5579	0.053	ng	97
26) Fluoranthene	19.25	202	24926	0.198	ng	99
28) Pyrene	19.62	202	27728	0.194	ng	98
30) Benzo(a)anthracene	21.34	228	22807	0.172	ng	97
31) Chrysene	21.40	228	21505	0.143	ng	97
32) Bis(2-ethylhexyl)phthalate	21.28	149	20173	0.141	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	14150	0.084	ng	96
35) Benzo(b)fluoranthene	23.08	252	30927	0.201	ng	# 95
36) Benzo(k)fluoranthene	23.08	252	30927	0.174	ng	# 95
37) Benzo(a)pyrene	23.72	252	20498	0.143	ng	# 95
38) Dibenzo(a,h)anthracene	26.46	278	3946	0.026	ng	# 73
39) Benzo(g,h,i)perylene	27.24	276	13612	0.087	ng	95

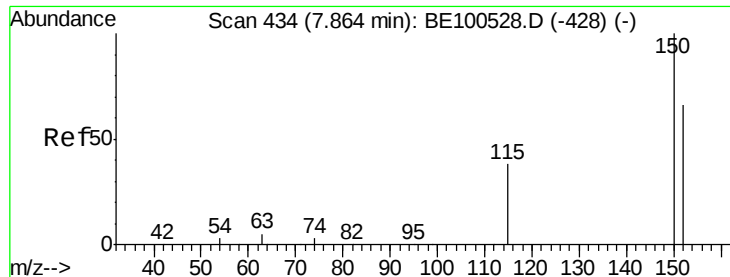
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.86 min Scan# 434

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

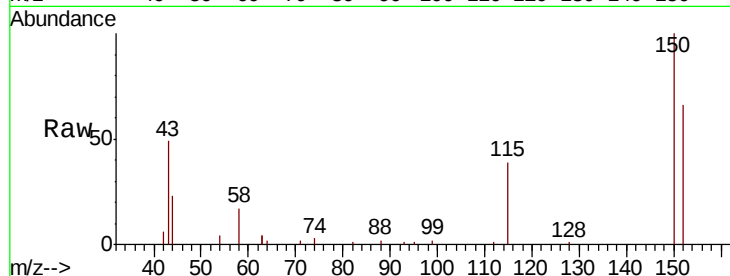
Tot Ion:152 Resp: 7450

Ion Ratio Lower Upper

152 100

150 151.8 121.6 182.4

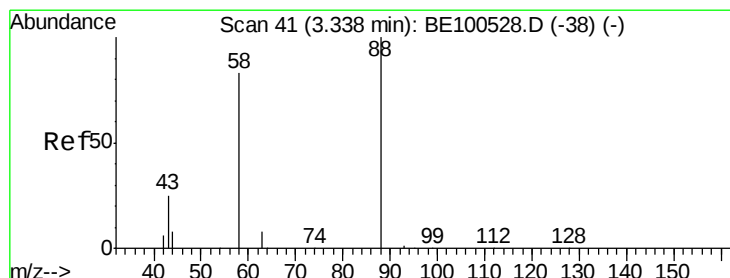
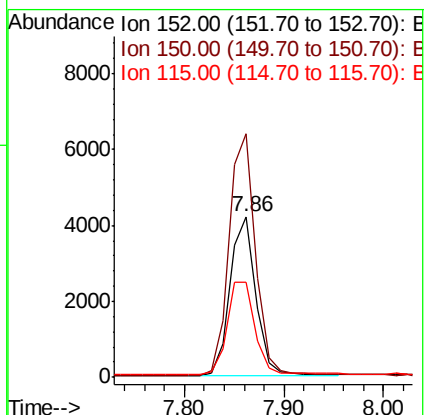
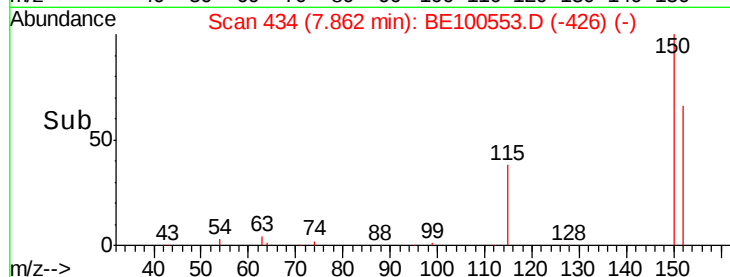
115 59.3 48.2 72.4



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: 0.020 ng

RT: 3.34 min Scan# 41

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

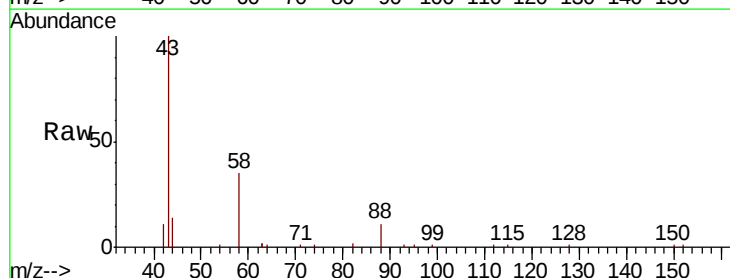
Tgt Ion: 88 Resp: 219

Ion Ratio Lower Upper

88 100

58 0.0 53.3 79.9#

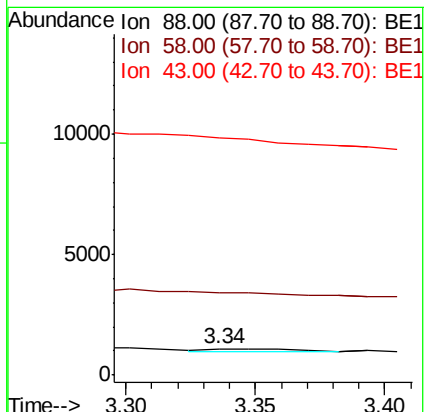
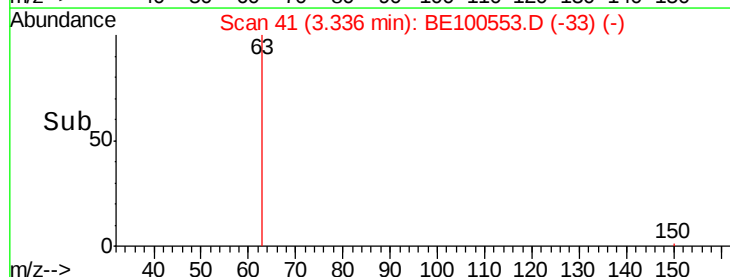
43 0.0 16.9 25.3#

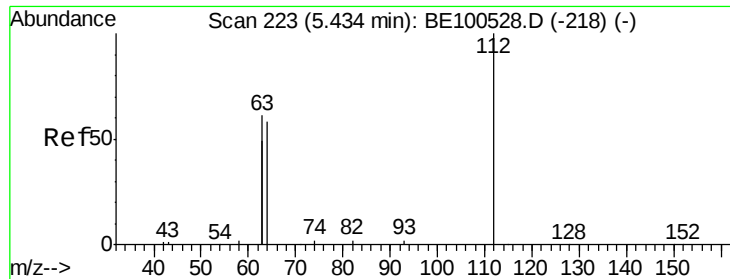


Abundance Ion 88.00 (87.70 to 88.70): BE1

Ion 58.00 (57.70 to 58.70): BE1

Ion 43.00 (42.70 to 43.70): BE1





#4

2-Fluorophenol

Concen: 0.246 ng

RT: 5.43 min Scan# 223

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

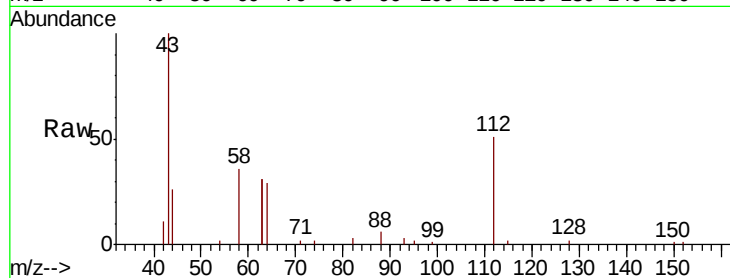
Tot Ion:112 Resp: 4293

Ion Ratio Lower Upper

112 100

64 53.9 44.1 66.1

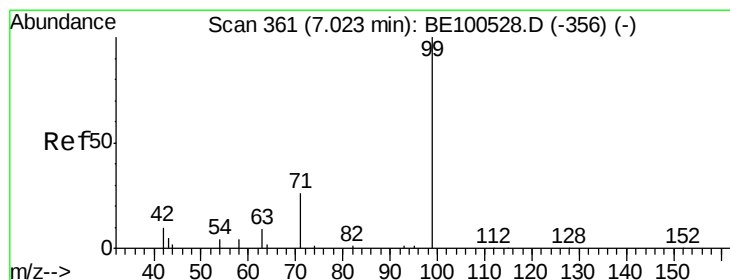
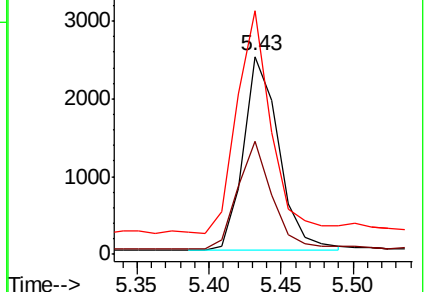
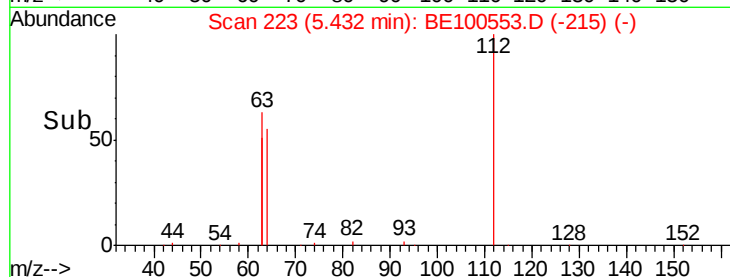
63 112.2 86.5 129.7



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: 0.251 ng

RT: 7.01 min Scan# 360

Delta R.T. -0.01 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

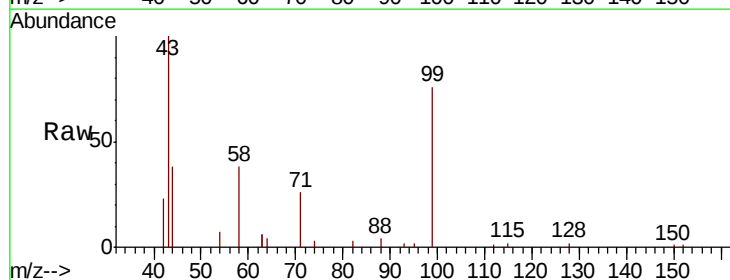
Tgt Ion: 99 Resp: 5998

Ion Ratio Lower Upper

99 100

42 25.1 13.0 19.6#

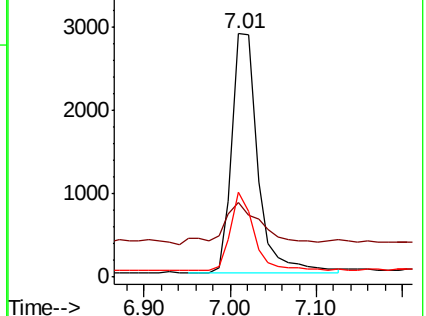
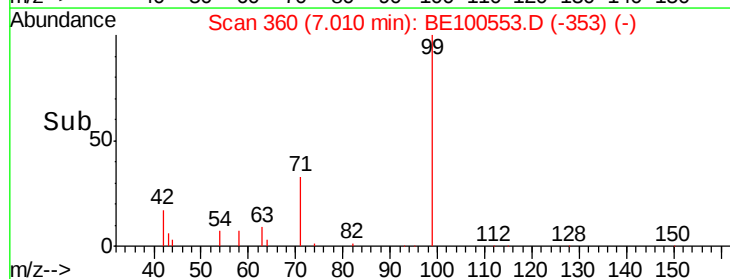
71 29.8 23.4 35.0

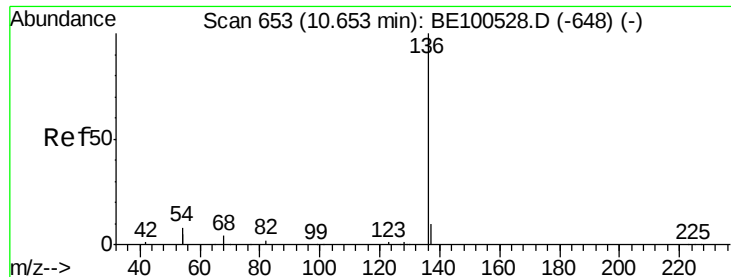


Abundance Ion 99.00 (98.70 to 99.70): BE1

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: 10.65 min Scan# 653

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

Tot Ion:136 Resp: 31666

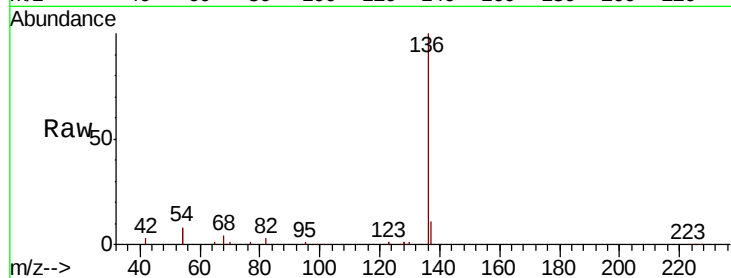
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 16.1 12.4 18.6

68 3.7 3.3 4.9

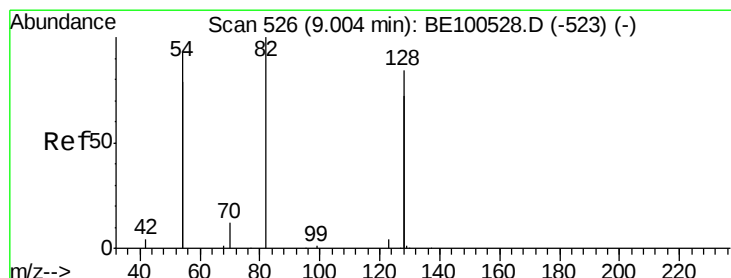
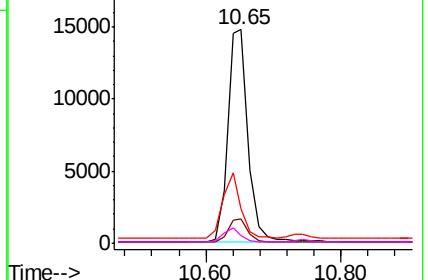
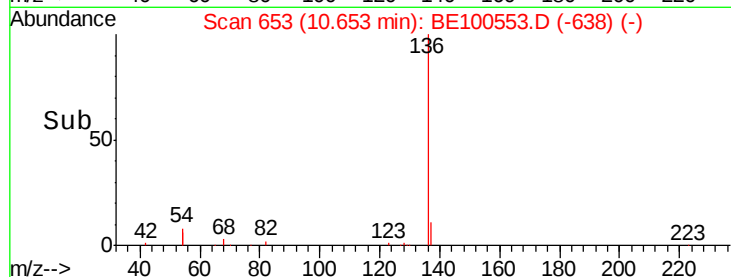


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.237 ng

RT: 9.00 min Scan# 526

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

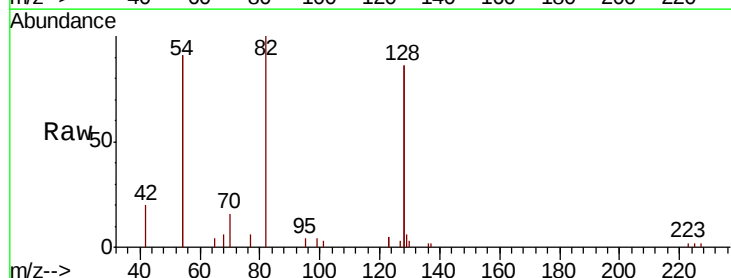
Tgt Ion: 82 Resp: 4331

Ion Ratio Lower Upper

82 100

128 171.2 129.4 194.2

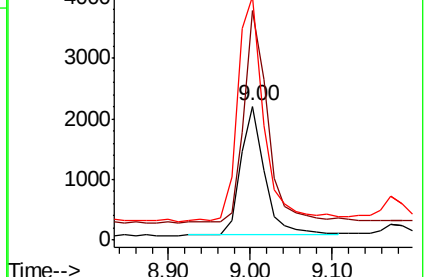
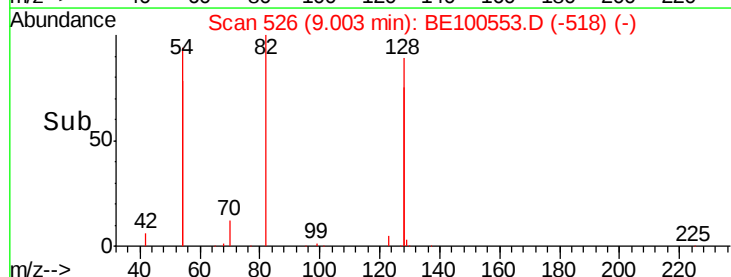
54 182.0 143.3 214.9

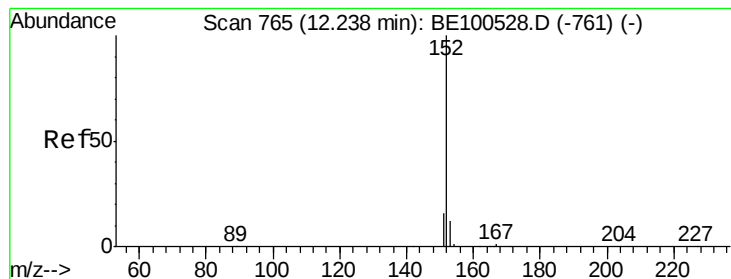


Abundance Ion 82.00 (81.70 to 82.70): BE1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE1

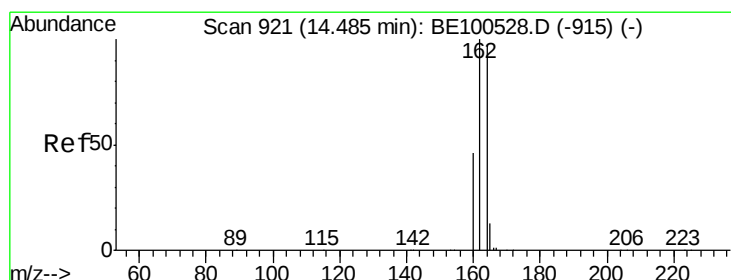
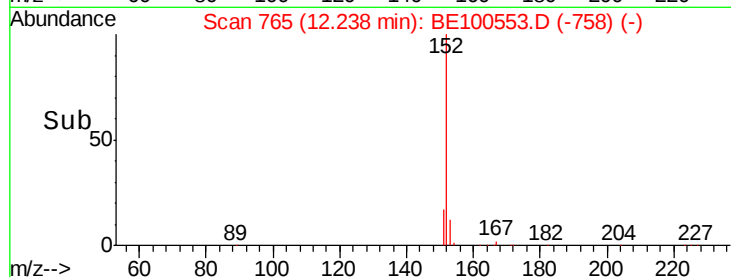
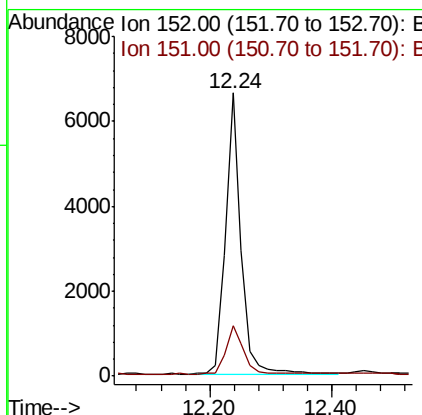
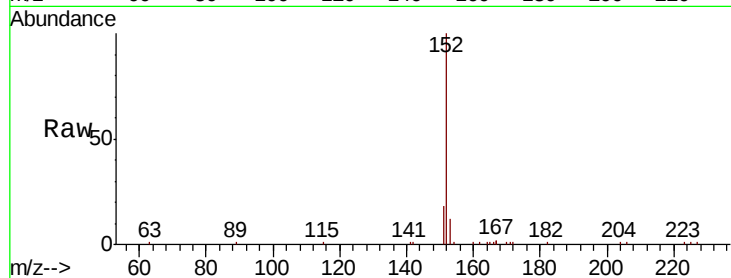




#11
 2-Methylnaphthalene-d10
 Concen: 0.251 ng
 RT: 12.24 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

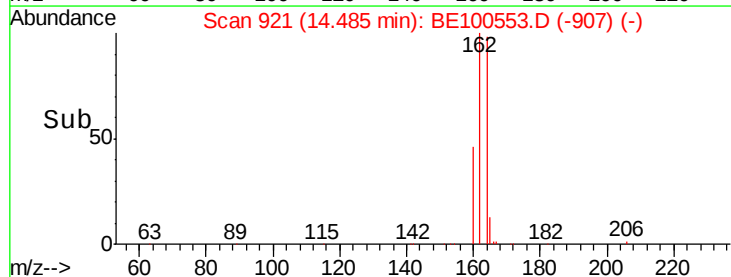
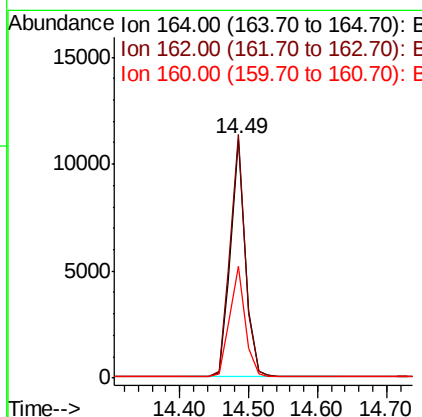
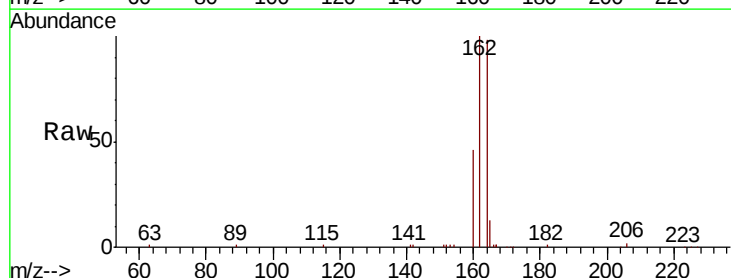
Instrument :
 BNA_E
 ClientSampleId :

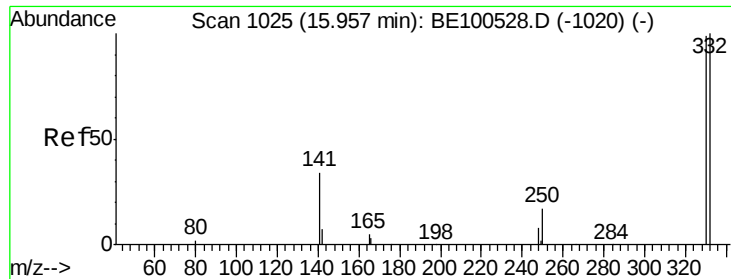
Tot Ion:152 Resp: 11871
 Ion Ratio Lower Upper
 152 100
 151 19.1 15.3 22.9



#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.49 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Tgt Ion:164 Resp: 16663
 Ion Ratio Lower Upper
 164 100
 162 102.1 82.1 123.1
 160 46.8 37.6 56.4

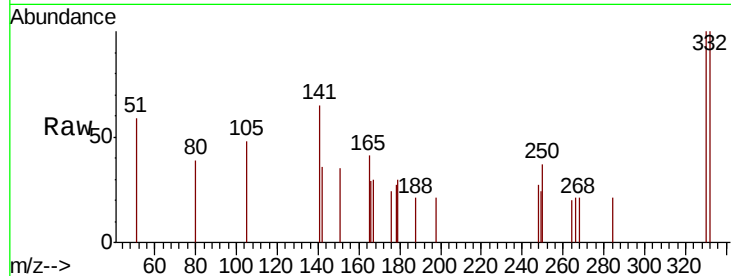




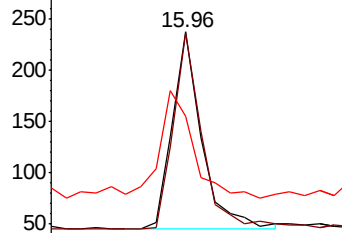
#14
 2,4,6-Tribromophenol
 Concen: 0.129 ng
 RT: 15.96 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Instrument :
 BNA_E
 ClientSampleId :

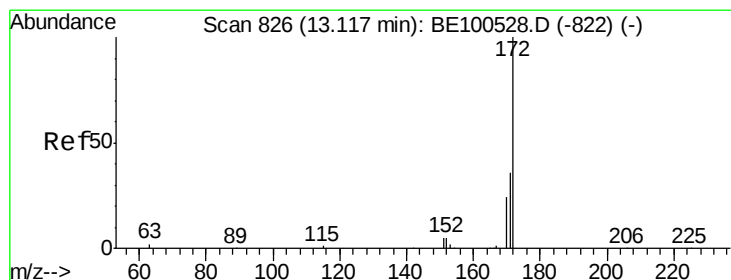
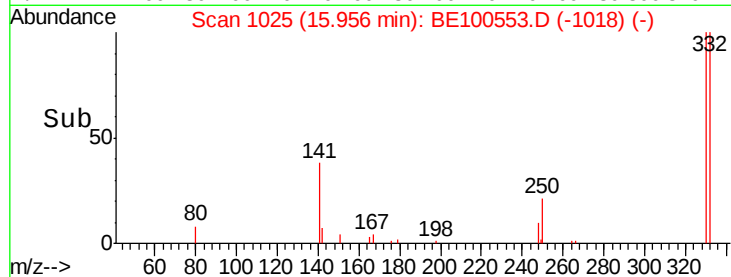
Tot Ion:330 Resp: 347
 Ion Ratio Lower Upper
 330 100
 332 101.7 75.5 113.3
 141 61.7 42.3 63.5



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

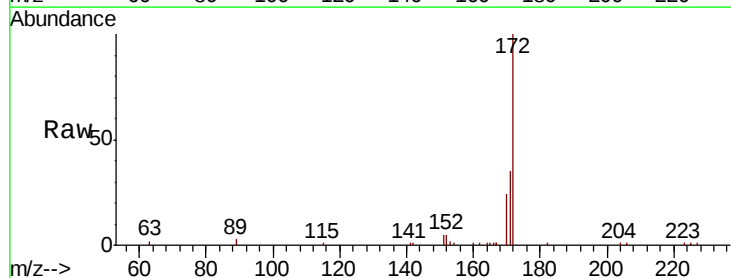


Time-->

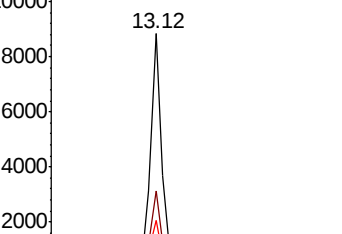


#15
 2-Fluorobiphenyl
 Concen: 0.249 ng
 RT: 13.12 min Scan# 826
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

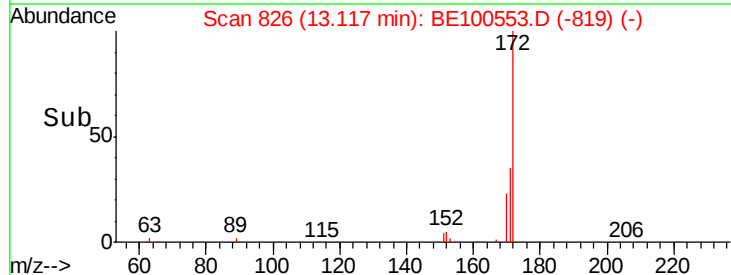
Tgt Ion:172 Resp: 14801
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.8 43.2
 170 23.6 19.4 29.0

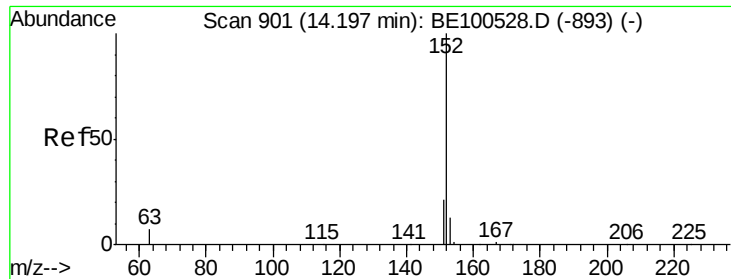


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



Time-->

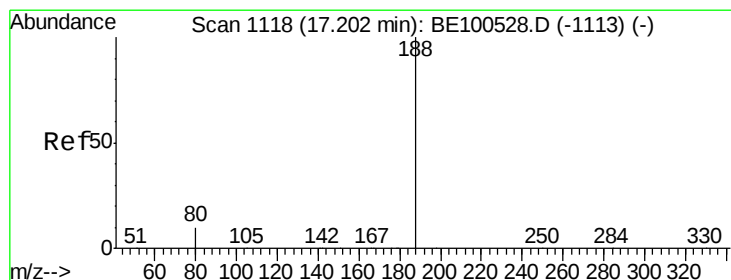
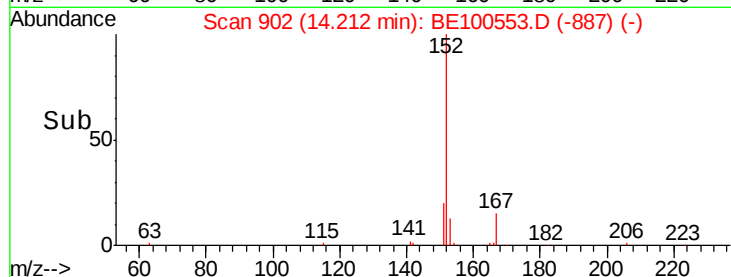
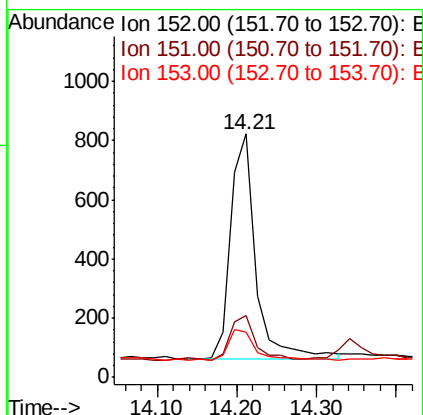
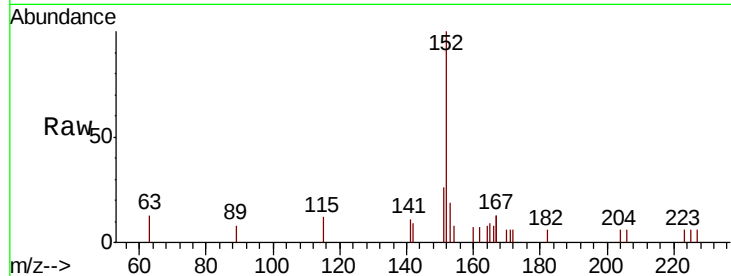




#16
Acenaphthylene
Concen: 0.024 ng
RT: 14.21 min Scan# 902
Delta R.T. 0.01 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

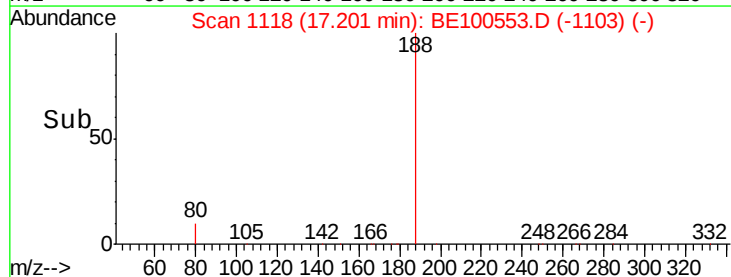
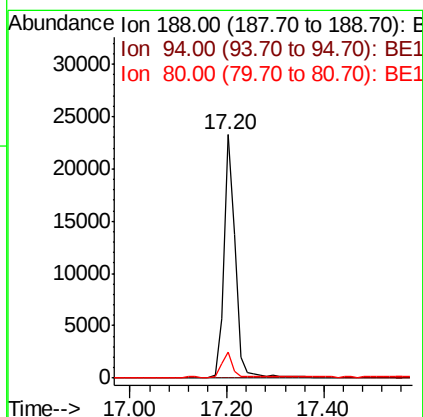
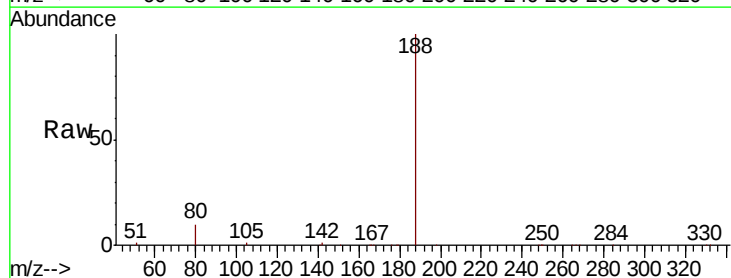
Instrument :
BNA_E
ClientSampleId :

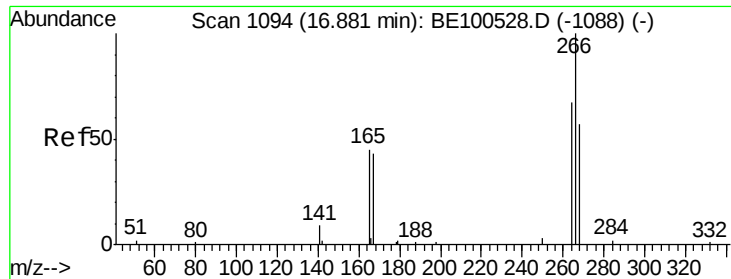
Tot Ion:152 Resp: 1675
Ion Ratio Lower Upper
152 100
151 21.5 15.9 23.9
153 13.7 10.7 16.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion:188 Resp: 37436
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 10.4 8.0 12.0





#22

Pentachlorophenol

Concen: 0.178 ng

RT: 16.87 min Scan# 1093

Delta R.T. -0.01 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

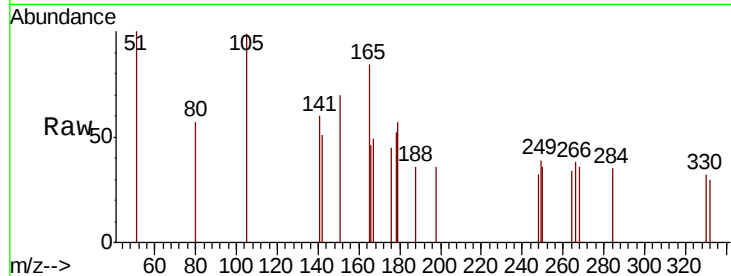
Tot Ion:266 Resp: 22

Ion Ratio Lower Upper

266 100

264 87.9 57.6 86.4#

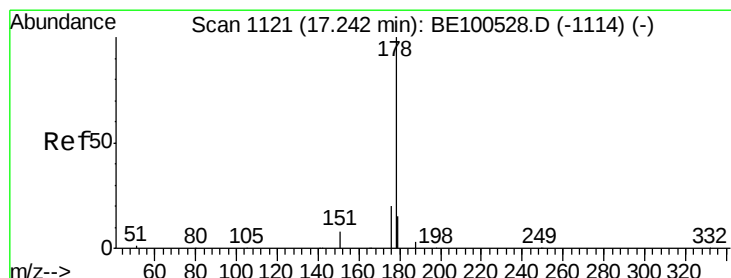
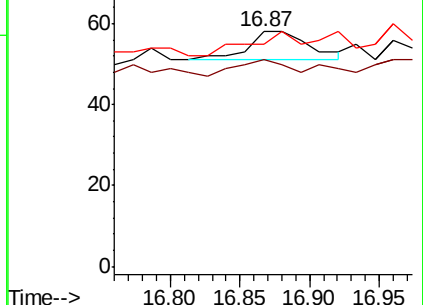
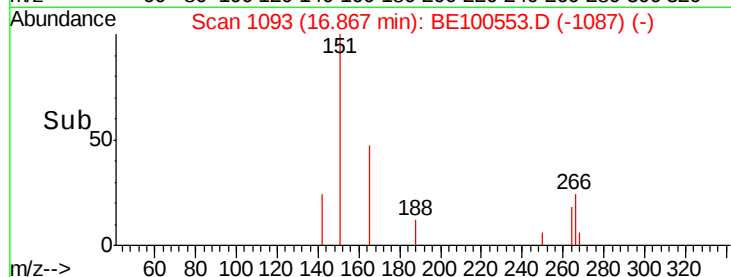
268 94.8 55.1 82.7#



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: 0.053 ng

RT: 17.24 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

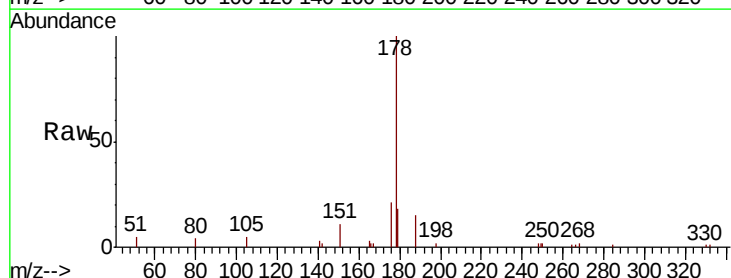
Tgt Ion:178 Resp: 5579

Ion Ratio Lower Upper

178 100

176 20.7 15.4 23.2

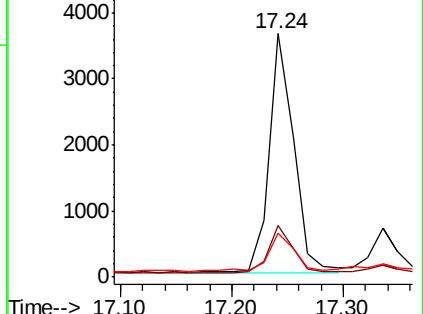
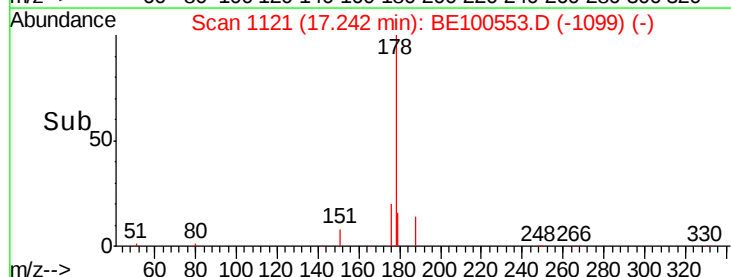
179 16.7 12.6 18.8

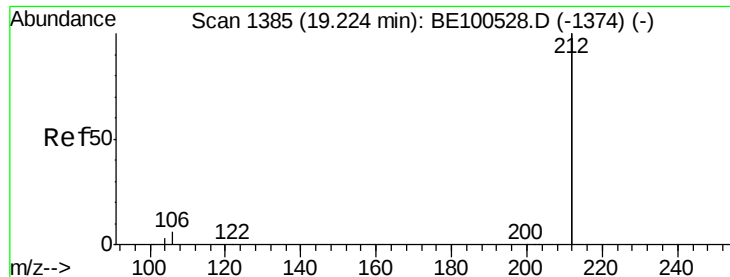


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.274 ng

RT: 19.23 min Scan# 1385

Delta R.T. 0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

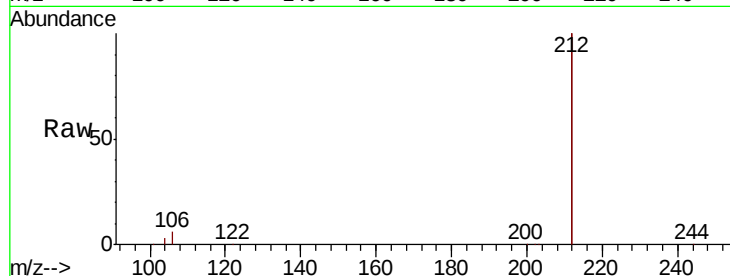
Tot Ion:212 Resp: 122085

Ion Ratio Lower Upper

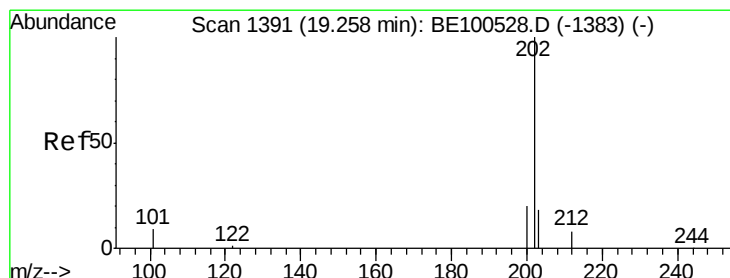
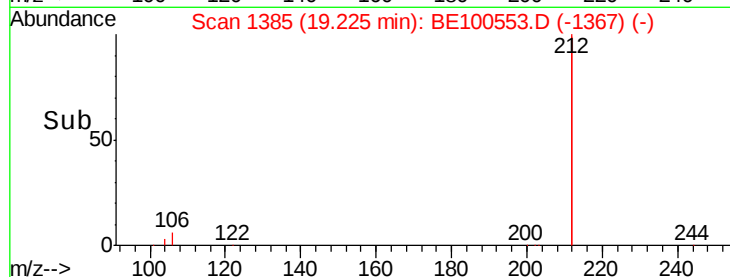
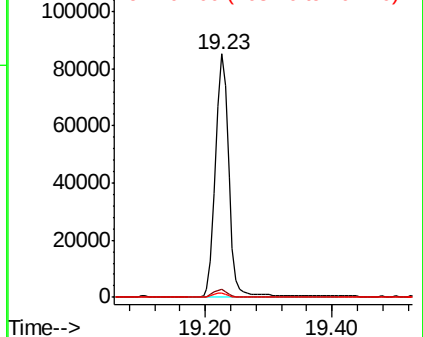
212 100

106 3.0 2.3 3.5

104 1.7 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: 0.198 ng

RT: 19.25 min Scan# 1390

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

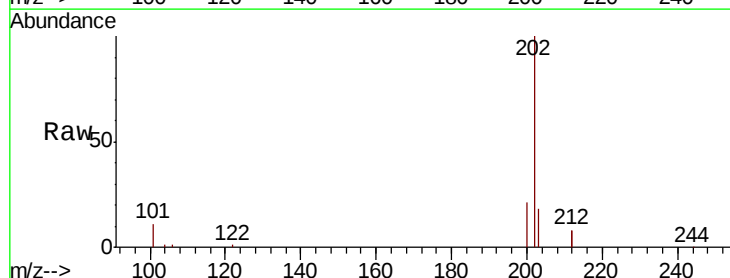
Tgt Ion:202 Resp: 24926

Ion Ratio Lower Upper

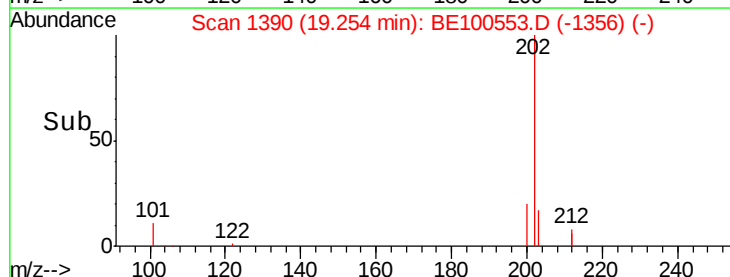
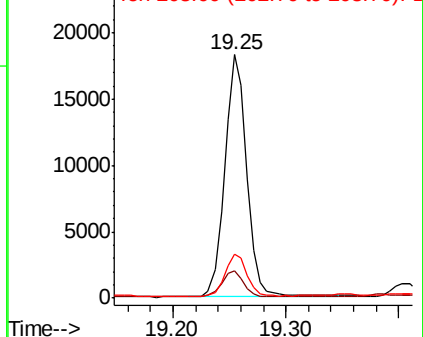
202 100

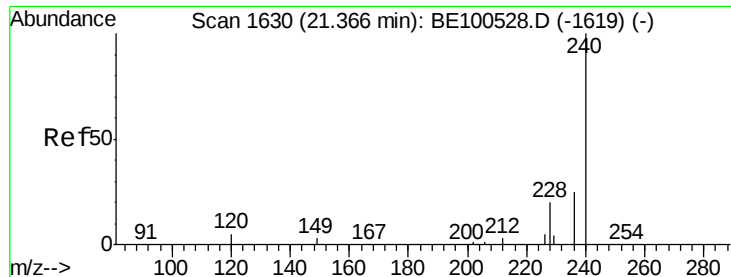
101 10.7 8.8 13.2

203 17.5 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

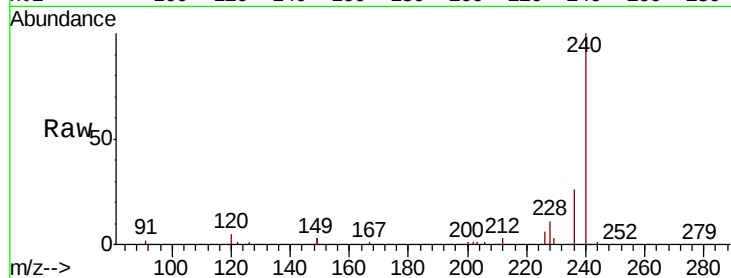




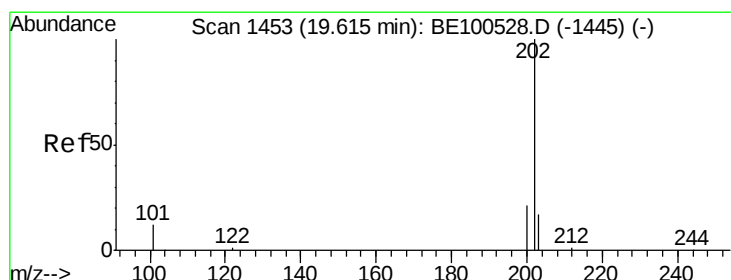
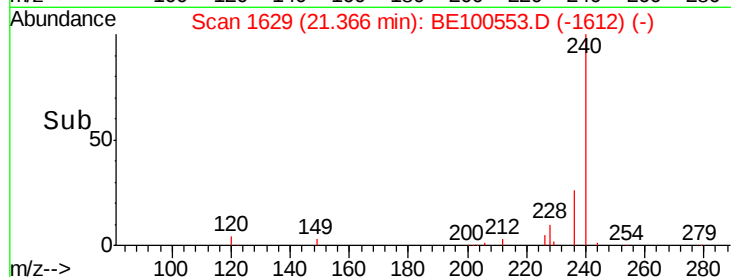
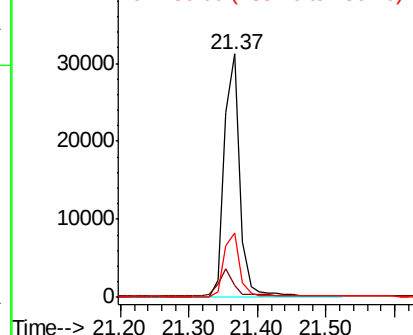
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:240 Resp: 49555
Ion Ratio Lower Upper
240 100
120 4.9 4.5 6.7
236 26.4 20.6 30.8

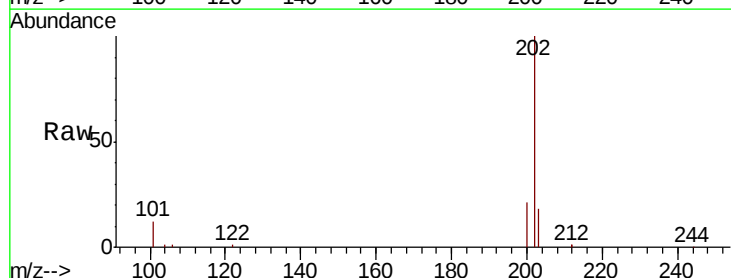


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

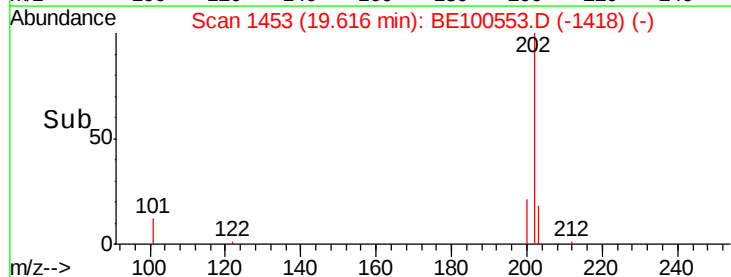
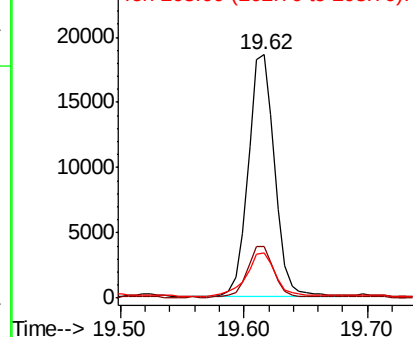


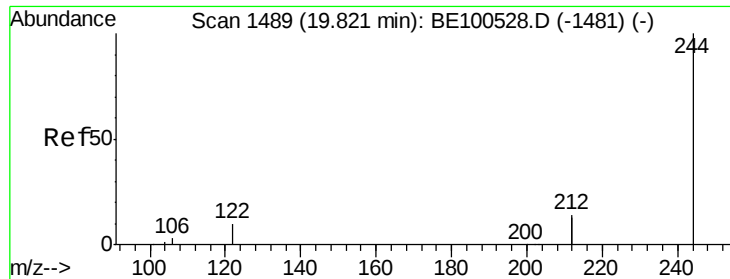
#28
Pyrene
Concen: 0.194 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion:202 Resp: 27728
Ion Ratio Lower Upper
202 100
200 20.9 16.6 25.0
203 19.5 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.255 ng

RT: 19.82 min Scan# 1489

Delta R.T. 0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

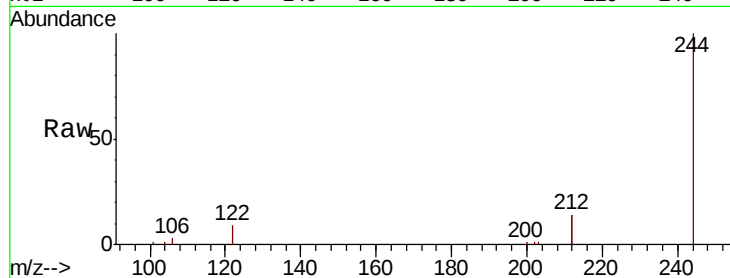
Tot Ion:244 Resp: 29971

Ion Ratio Lower Upper

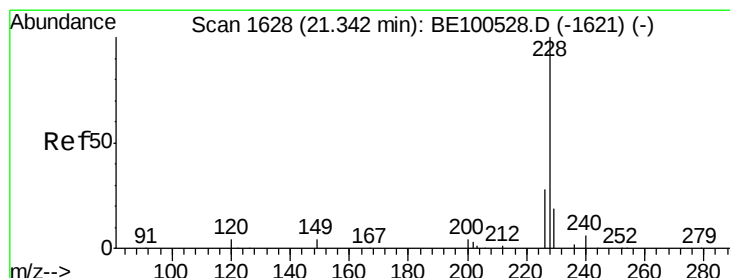
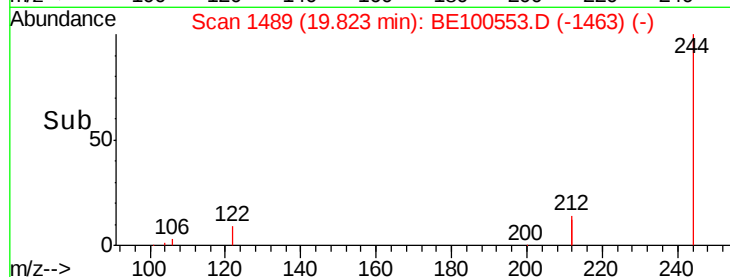
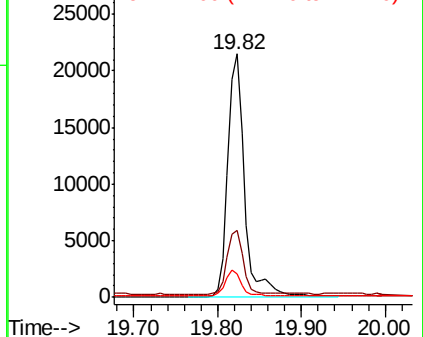
244 100

212 27.5 22.2 33.2

122 9.4 8.3 12.5



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: 0.172 ng

RT: 21.34 min Scan# 1627

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

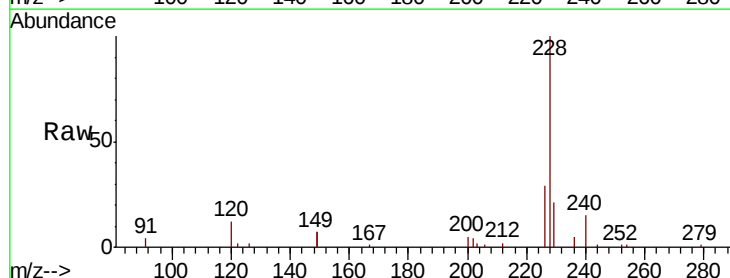
Tgt Ion:228 Resp: 22807

Ion Ratio Lower Upper

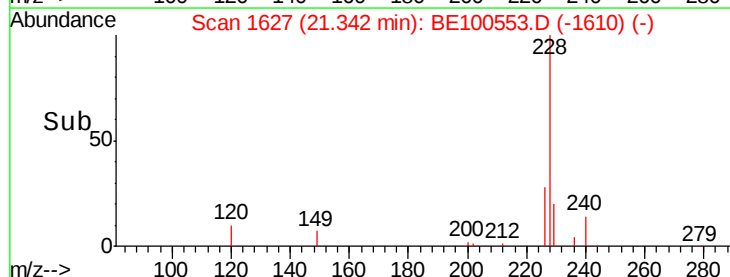
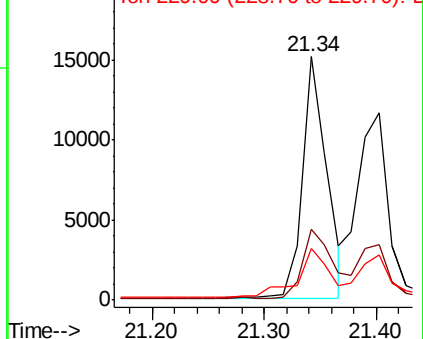
228 100

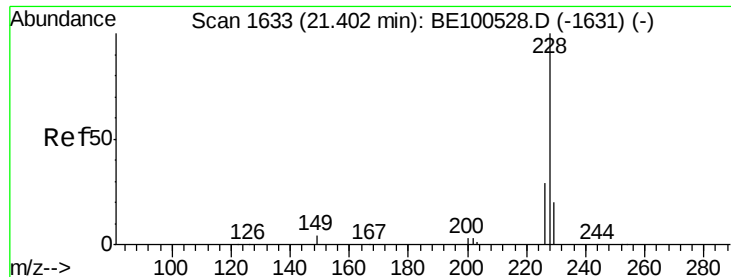
226 28.9 22.5 33.7

229 21.4 15.4 23.2



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: 0.143 ng

RT: 21.40 min Scan# 1632

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

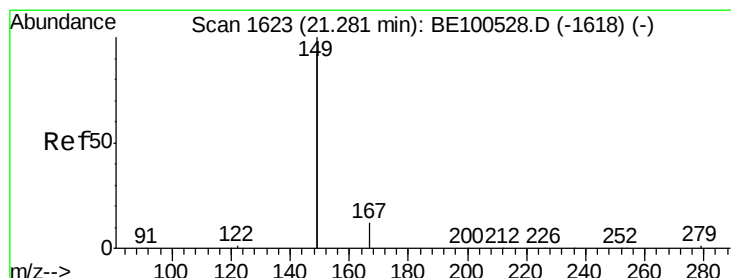
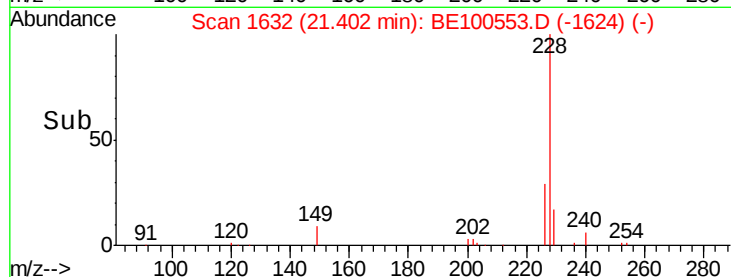
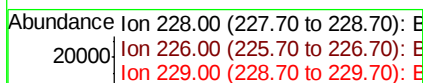
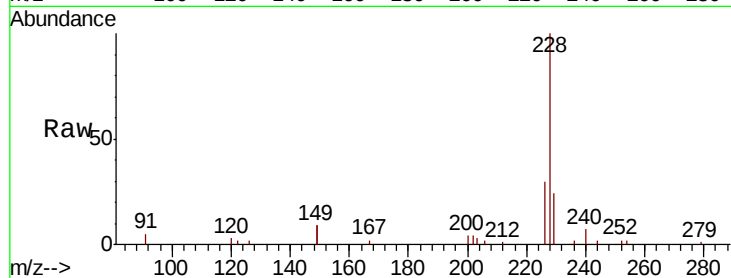
Tot Ion:228 Resp: 21505

Ion Ratio Lower Upper

228 100

226 29.5 23.3 34.9

229 23.8 16.3 24.5



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.141 ng

RT: 21.28 min Scan# 1622

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

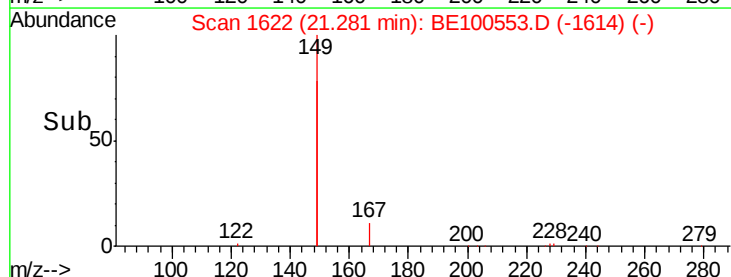
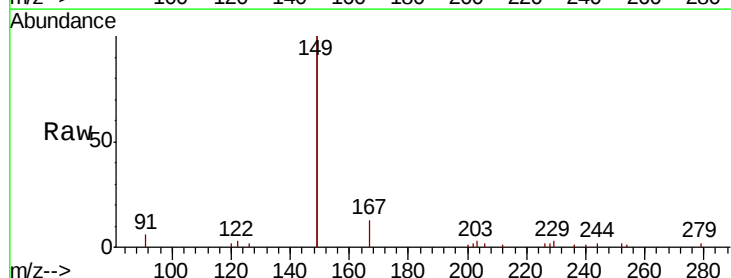
Tgt Ion:149 Resp: 20173

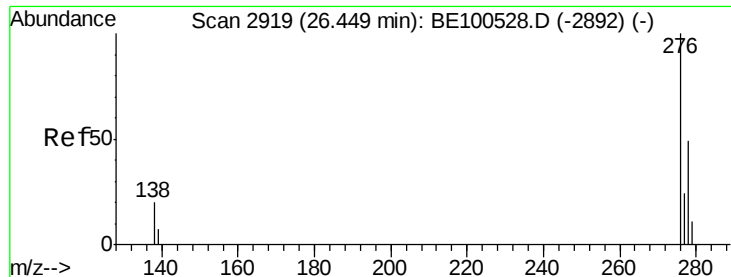
Ion Ratio Lower Upper

149 100

167 6.6 5.2 7.8

279 1.4 1.0 1.4

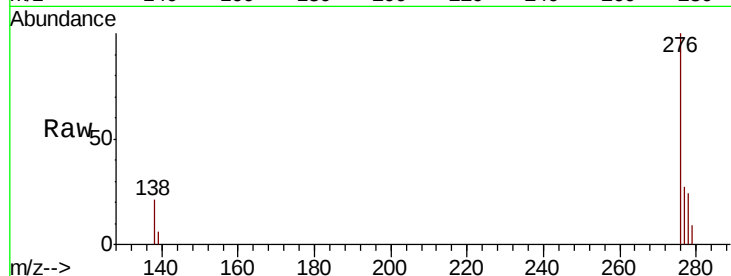




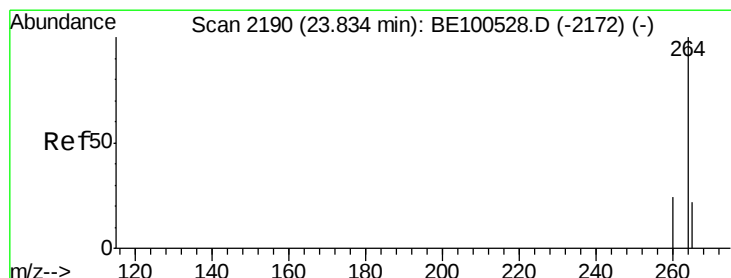
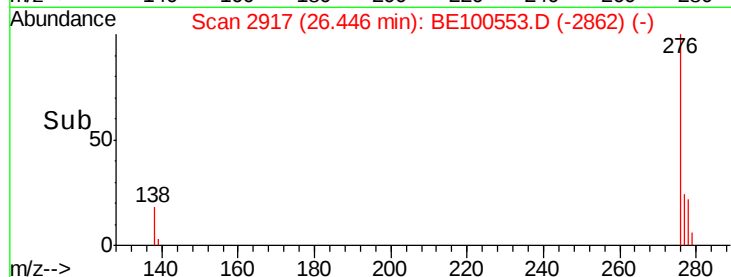
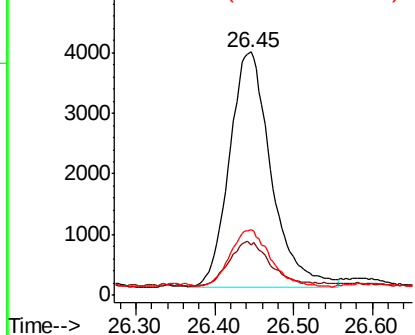
#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.084 ng
 RT: 26.45 min Scan# 2917
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:276 Resp: 14150
 Ion Ratio Lower Upper
 276 100
 138 19.1 17.7 26.5
 277 23.5 19.9 29.9

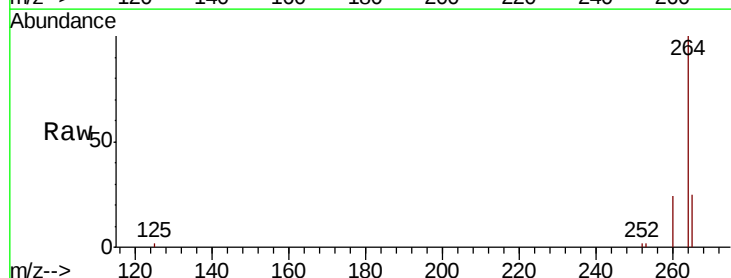


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

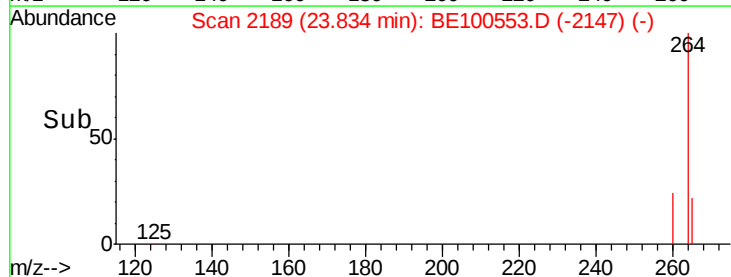
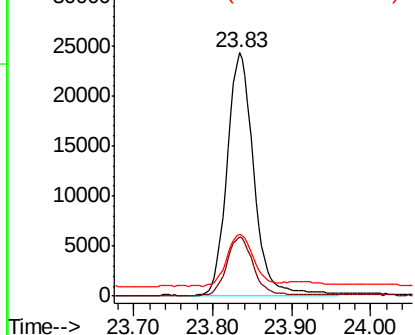


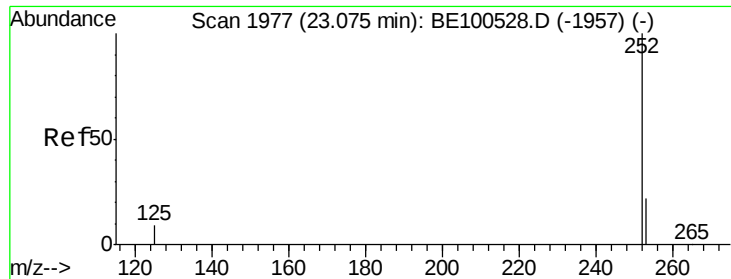
#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.83 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: BE100553.D
 Acq: 25 Sep 2019 12:03

Tgt Ion:264 Resp: 56808
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.6 29.4
 265 25.4 21.8 32.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

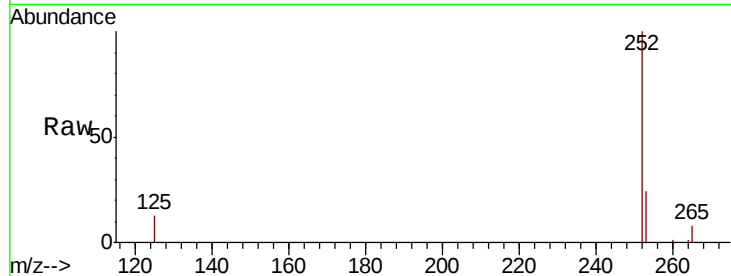




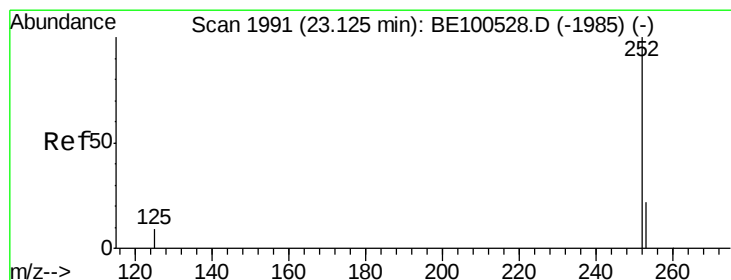
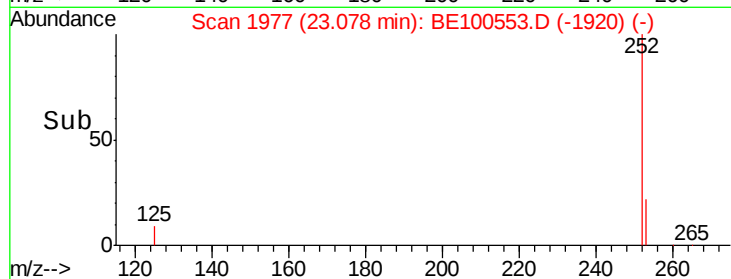
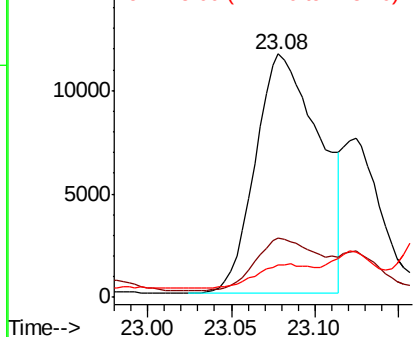
#35
Benzo(b)fluoranthene
Concen: 0.201 ng
RT: 23.08 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 30927
Ion Ratio Lower Upper
252 100
253 24.1 18.1 27.1
125 13.2 8.0 12.0#

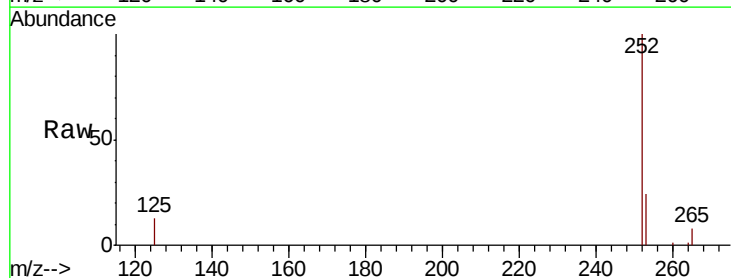


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

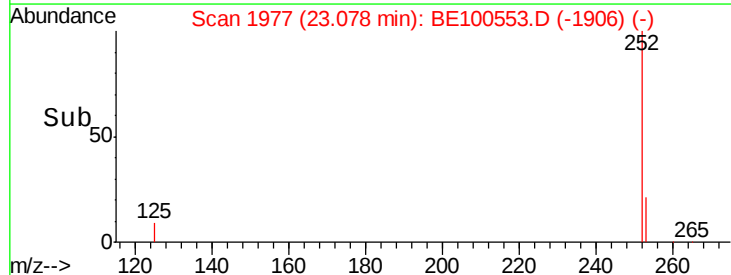
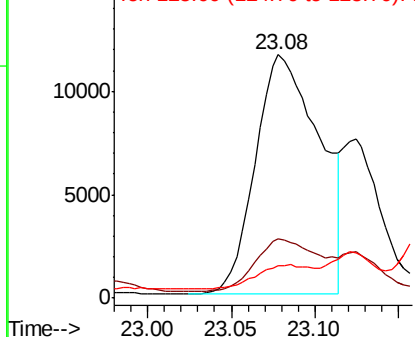


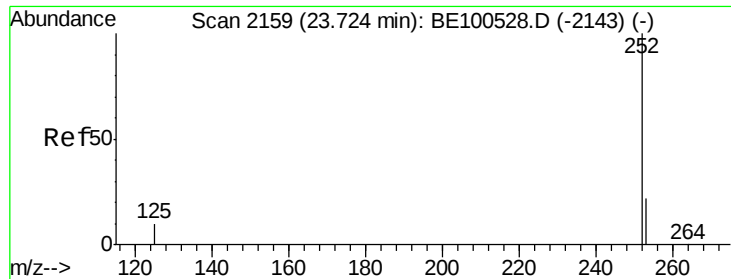
#36
Benzo(k)fluoranthene
Concen: 0.174 ng
RT: 23.08 min Scan# 1977
Delta R.T. -0.05 min
Lab File: BE100553.D
Acq: 25 Sep 2019 12:03

Tgt Ion:252 Resp: 30927
Ion Ratio Lower Upper
252 100
253 24.1 17.9 26.9
125 13.2 8.5 12.7#



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: 0.143 ng

RT: 23.72 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :

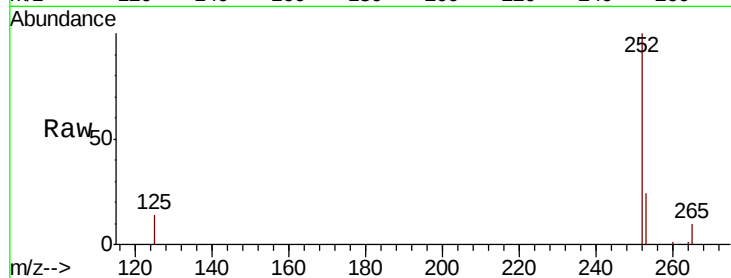
Tot Ion:252 Resp: 20498

Ion Ratio Lower Upper

252 100

253 24.4 18.1 27.1

125 14.3 9.2 13.8#

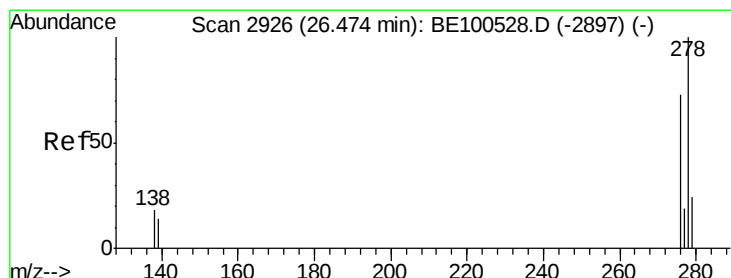
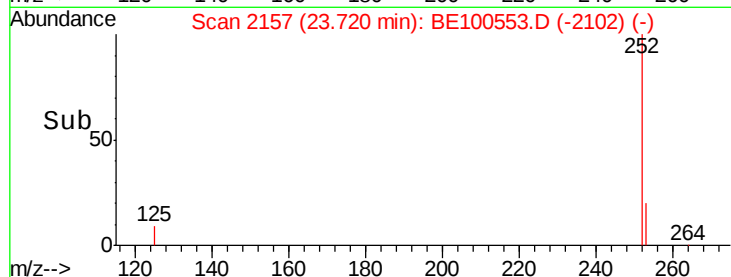
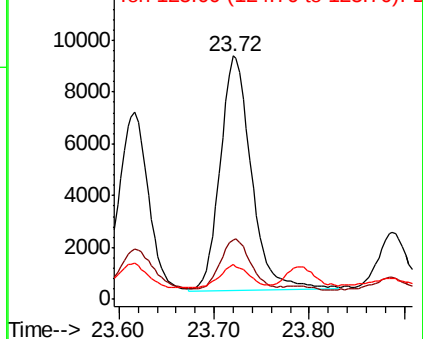


Abundance

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: 0.026 ng

RT: 26.46 min Scan# 2922

Delta R.T. -0.01 min

Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

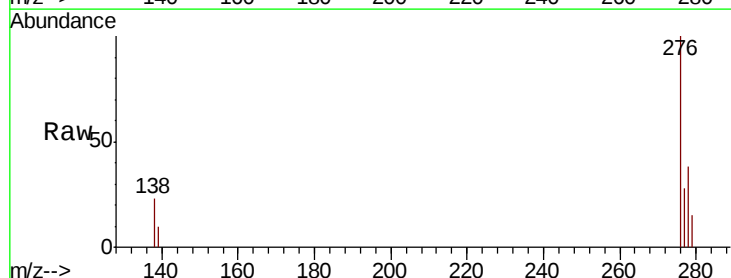
Tgt Ion:278 Resp: 3946

Ion Ratio Lower Upper

278 100

139 25.5 11.6 17.4#

279 38.3 19.7 29.5#

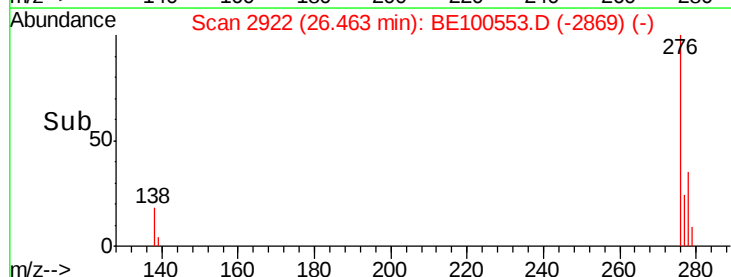
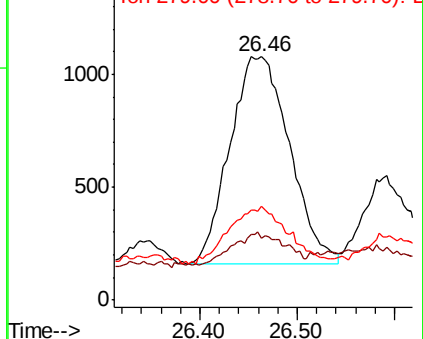


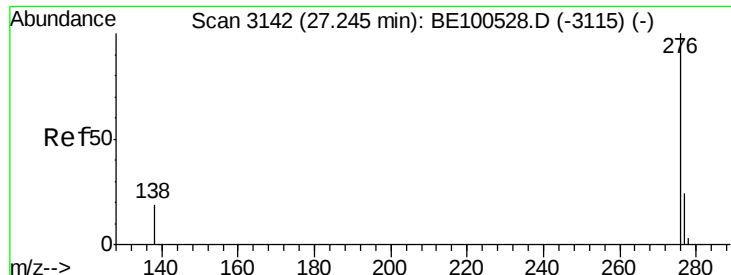
Abundance

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(a,h,i)perylene

Concen: 0.087 ng

RT: 27.24 min Scan# 3141

Delta R.T. -0.00 min

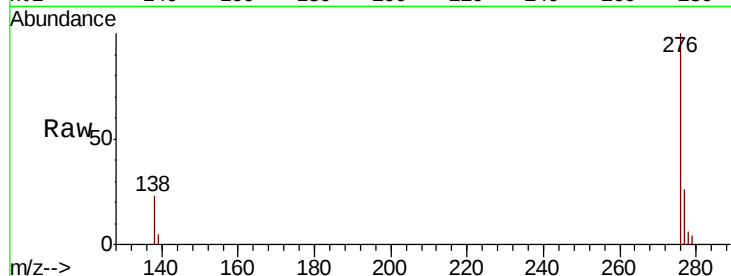
Lab File: BE100553.D

Acq: 25 Sep 2019 12:03

Instrument :

BNA_E

ClientSampleId :



Tot Ion: 276 Resp: 13612

Ion Ratio Lower Upper

276 100

277 25.9 19.2 28.8

138 22.9 15.7 23.5

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

